

# PROOF OF THE CONTINUED FRACTION CONJECTURE FOR

$$(a, b) = (z^2, z^5 + z^4 + z^2 + 1)$$

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ABSTRACT. The continued fraction conjecture claims that the continued fraction defined by the  $(a, b)$ -Thue-Morse sequence is algebraic over  $\mathbb{F}_2(x)$  for all pairs of distinct elements  $(a, b)$  in  $\mathbb{F}_2[x] \setminus \mathbb{F}_2$ . In this paper we prove the conjecture for  $(a, b) = (z^2, z^5 + z^4 + z^2 + 1)$ .

## 1. INTRODUCTION

Let  $\mathbb{F}_2$  be the finite field of cardinality 2. Given a sequence of polynomials  $\mathbf{a} = (a_0(z), a_1(z), a_2(z), \dots)$  of elements from  $\mathbb{F}_2[z] \setminus \mathbb{F}_2$ , we define the infinite continued fraction

$$(1.1) \quad \text{CF}(\mathbf{a}(z)) = \frac{1}{a_0(z) + \frac{1}{a_1(z) + \frac{1}{a_2(z) + \frac{1}{\ddots}}}}$$

as the limit of the finite continued fractions

$$(1.2) \quad \text{CF}_n(\mathbf{a}(z)) = \frac{1}{a_0(z) + \frac{1}{a_1(z) + \frac{1}{\ddots + \frac{1}{a_n(z)}}}} \in \mathbb{F}_2((1/z)).$$

Conversely, each power series in  $\mathbb{F}_2[[1/z]]$  without constant term

$$(1.3) \quad c_{-1}z^{-1} + c_{-2}z^{-2} + c_{-3}z^{-3} + \dots$$

admits a continued fraction expansion of form (1.1).

Let  $a$  and  $b$  be two distinct elements from  $\mathbb{F}_2[z] \setminus \mathbb{F}_2$ . We consider the continued fraction (1.1) associated with the  $(a, b)$ -Thue-Morse sequence

$$\mathbf{t} = (t_0(z), t_1(z), t_2(z), \dots) = (a, b, b, a, b, a, a, b, \dots)$$

that we shall denote

$$(1.4) \quad \text{CF}(a, b) := \text{CF}(\mathbf{t}).$$

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**Theorem 1.1.** *When  $(a, b) = (z^2, z^5 + z^4 + z^2 + 1)$ , the two power series  $\text{CF}(a, b)$  and  $\text{CF}(b, a)$  are algebraic over  $\mathbb{F}_2(z)$ , with minimal polynomials of the form*

$$p_4(z)y^4 + p_3(z)y^3 + p_2(z)y^2 + p_1(z)y + p_0(z) = 0$$

where, for  $\text{CF}(a, b)$ ,

$$p_0(z) = z^{21} + z^{19} + z^{17} + z^{14} + z^{11} + z^{10} + z^8 + z^7 + z^2 + 1,$$

$$p_1(z) = z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 + z^6 + z^4 + z^2,$$

$$p_2(z) = z^{28} + z^{20} + z^{18} + z^4,$$

$$p_3(z) = z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 + z^6 + z^4 + z^2,$$

$$p_4(z) = z^{24} + z^{21} + z^{19} + z^{18} + z^{17} + z^{14} + z^{11} + z^{10} + z^7 + z^4 + z^2,$$

and for  $\text{CF}(b, a)$ ,

$$p_0(z) = z^{21} + z^{20} + z^{19} + z^{17} + z^{16} + z^{14} + z^{11} + z^{10} + z^8 + z^7 + z^2,$$

$$p_1(z) = z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 + z^6 + z^4 + z^2,$$

$$p_2(z) = z^{28} + z^{20} + z^{18} + z^4,$$

$$p_3(z) = z^{26} + z^{23} + z^{22} + z^{21} + z^{19} + z^{16} + z^{14} + z^{13} + z^{12} + z^{10} + z^9 + z^6 + z^4 + z^2,$$

$$p_4(z) = z^{24} + z^{21} + z^{20} + z^{19} + z^{18} + z^{17} + z^{16} + z^{14} + z^{11} + z^{10} + z^7 + z^4 + z^2 + 1.$$

## 2. PROOF

Define the sequences of polynomials  $(P_n(z))_{n \geq 0}$  and  $(Q_n(z))_{n \geq 0}$  by

$$\begin{pmatrix} P_n(z) & Q_n(z) \\ P_{n-1}(z) & Q_{n-1}(z) \end{pmatrix} := \begin{pmatrix} t_n(z) & 1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} t_{n-1}(z) & 1 \\ 1 & 0 \end{pmatrix} \cdots \begin{pmatrix} t_0(z) & 1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}.$$

By the basic properties of continued fractions, we have

$$(2.1) \quad \text{CF}_n(a, b) = \frac{P_n(z)}{Q_n(z)} \in \mathbb{F}_2((1/z)).$$

As formula (2.1) is not efficient for calculating  $\text{CF}_n(a, b)$ , a fast method is to be derived and described as follows. Define

$$\begin{aligned} M_n(x) &= x^{\deg(t_{2^n-1})} \begin{pmatrix} t_{2^n-1}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times x^{\deg(t_{2^n-2})} \begin{pmatrix} t_{2^n-2}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times \\ &\quad \cdots \times x^{\deg(t_0)} \begin{pmatrix} t_0(1/x) & 1 \\ 1 & 0 \end{pmatrix}, \\ W_n(x) &= x^{\deg(\bar{t}_{2^n-1})} \begin{pmatrix} \bar{t}_{2^n-1}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times x^{\deg(\bar{t}_{2^n-2})} \begin{pmatrix} \bar{t}_{2^n-2}(1/x) & 1 \\ 1 & 0 \end{pmatrix} \times \\ &\quad \cdots \times x^{\deg(\bar{t}_0)} \begin{pmatrix} \bar{t}_0(1/x) & 1 \\ 1 & 0 \end{pmatrix}, \end{aligned}$$

where  $\bar{\mathbf{t}}$  is the  $(b, a)$ -Thue-Morse sequence. By the properties of the Thue-Morse sequence, we have for  $n \geq 0$

$$\begin{aligned} M_{n+1}(x) &= W_n(x) \cdot M_n(x), \\ W_{n+1}(x) &= M_n(x) \cdot W_n(x). \end{aligned}$$

Let  $x := 1/z$ . For each non-zero polynomial  $P(z)$ , define  $\tilde{P}(x)$  to be  $P(1/x)$ . Then,

$$\text{CF}_n(a, b) = \frac{P_n(z)}{Q_n(z)} = \frac{\tilde{P}_n(x)}{\tilde{Q}_n(x)} \in \mathbb{F}_2((x)) = \mathbb{F}_2((1/z)).$$

Comparing the definition of  $M_n(x)$  with the definition of  $P_n(x)$  and  $Q_n(x)$ , we see that

$$\begin{aligned} M_n(x)_{0,1} &= x^{d_n} \tilde{P}_{2^n-1}(x), \\ M_n(x)_{0,0} &= x^{d_n} \tilde{Q}_{2^n-1}(x), \end{aligned}$$

for some positive integer  $d_n$ . Hence,

$$(2.2) \quad \text{CF}_{2^{2n}-1}(a, b) = \frac{\tilde{P}_{2^{2n}-1}(x)}{\tilde{Q}_{2^{2n}-1}(x)} = \frac{M_{2n}(x)_{0,1}}{M_{2n}(x)_{0,0}}.$$

Therefore, by the convergence theorem of continued fraction, the algebraicity of  $\text{CF}(a, b)$  will be established if it is shown that both  $M_{2n}(x)_{0,1}$  and  $M_{2n}(x)_{0,0}$  converge to algebraic series in  $\mathbb{F}_2[[x]]$ .

Actually, we will prove that for all  $0 \leq i, j \leq 1$  the four sequences  $(M_{2n}(x)_{i,j})_n$ ,  $(M_{2n+1}(x)_{i,j})_n$ ,  $(W_{2n}(x)_{i,j})_n$ , and  $(W_{2n+1}(x)_{i,j})_n$  converge to algebraic series in  $\mathbb{F}_2[[x]]$ . For this purpose, we define four  $2 \times 2$  matrices  $M^e, M^o, W^e, W^o$  as follows: For each  $T \in \{M^e, M^o, W^e, W^o\}$  and  $0 \leq i, j \leq 1$ ,  $T_{i,j}$  is defined to be the unique solution in  $\mathbb{F}_2[[x]]$  of the polynomial  $\phi(T, i, j)$  under certain initial conditions; the polynomials  $\phi(T, i, j)$  and initial conditions are given in Section 3. We will prove that these four matrices, whose components are algebraic by definition, are the limits of  $(M_{2n}(x))_n$ ,  $(M_{2n+1}(x))_n$ ,  $(W_{2n}(x))_n$ , and  $(W_{2n+1}(x))_n$ .

Let us explain how the polynomials  $\phi(T, i, j)$  and initial conditions are found, and why the solutions exist and are unique. For  $0 \leq i, j \leq 1$ , the coefficients of the polynomial  $\phi(M^e, i, j)$  (resp.  $\phi(M^o, i, j)$ ,  $\phi(W^e, i, j)$ , and  $\phi(W^o, i, j)$ ) are the Padé-Hermite approximants of type

$$(175, 175, 175, 175, 175)$$

of the vector

$$(1, T^3, T^6, T^9, T^{12}),$$

where  $T = M_{12,i,j}$  (resp.  $M_{11,i,j}$ ,  $W_{12,i,j}$ , and  $W_{11,i,j}$ ), found by the Derksen algorithm. We take the first 8 terms of  $M_{12,i,j}$  (resp.  $M_{11,i,j}$ ,  $W_{12,i,j}$ , and  $W_{11,i,j}$ ) as initial conditions for  $\phi(M^e, i, j)$  (resp.  $\phi(M^o, i, j)$ ,  $\phi(W^e, i, j)$ , and  $\phi(W^o, i, j)$ ). The following fact will be used to ensure that the solution exists and is unique: let  $P(x, y) \in \mathbb{F}_2[x, y]$  and for each series  $f(x) = \sum_{n=0}^{\infty} a_n x^n \in \mathbb{F}_2[[x]]$  denote the partial sum  $\sum_{j=0}^{n-1} a_j x^j$  by  $f_n(x)$  for  $n \geq 0$ . If for some  $n \geq 0$  and  $a_0, a_1, \dots, a_{n-1} \in \mathbb{F}_2$   $P(x, \sum_{j=0}^{n-1} a_j x^j) = O(x^n)$  and  $Q(x, y) := P(x, \sum_{j=0}^{n-1} a_j x^j + x^n y)$  can be written as  $x^m \sum_{j=0}^{\infty} q_j(x) y^j$  where  $q_j(x)$  are polynomials for  $j \geq 0$ ,  $q_1(0) = 1$ , and  $q_j(0) = 0$  for  $j > 1$ , then there exists a unique solution  $f(x) \in \mathbb{F}_2[[x]]$  of  $P(x, f(x)) = 0$  that satisfies the initial condition  $f_n(x) = \sum_{j=0}^{n-1} a_j x^j$ .

We state two lemmas concerning the four matrices  $M^e, M^o, W^e, W^o$ . The first one is about relations between them; the second, about the structure of the each matrix.

**Lemma 2.1.** *We have*

$$(2.3) \quad M^e = W^o \cdot M^o,$$

$$(2.4) \quad M^o = W^e \cdot M^e,$$

$$(2.5) \quad W^e = M^o \cdot W^o,$$

$$(2.6) \quad W^o = M^e \cdot W^e.$$

*Proof.* We give the proof of the identity

$$M_{0,0}^e = W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o,$$

the proofs of the others being similar.

First, we compute the minimal polynomials of  $W_{0,0}^o M_{0,0}^o$  and  $W_{0,1}^o M_{1,0}^o$ . We know that

$$P(x, y) = \text{Res}_z (\phi(W^o, 0, 0)(x, z), z^{12} \cdot \phi(M^o, 0, 0)(x, y/z))$$

is an annihilating polynomial of  $W_{0,0}^o M_{0,0}^o$ . We use Padé-Hermite approximation to find a candidate for the minimal polynomial of  $W_{0,0}^o M_{0,0}^o$ , that will be called  $\phi_0(x, y)$ . To prove that  $\phi_0(x, y)$  is indeed the minimal polynomial, it suffices to prove that it is an irreducible factor of  $P(x, y)$  of multiplicity  $m$  and that  $Q(x, y) := P(x, y)/\phi_0(x, y)^m$  is not an annihilating polynomial of  $W_{0,0}^o M_{0,0}^o$ . We verify the first point directly. For the second point, we truncate  $W_{0,0}^o M_{0,0}^o$  to order 630 and substitute it for  $y$  in  $Q(x, y)$ . We get a series of valuation less than 630, which proves that  $Q(x, y)$  is not an annihilating polynomial of  $W_{0,0}^o M_{0,0}^o$ . We find the minimal polynomial  $\phi_1(x, y)$  of  $W_{0,1}^o M_{1,0}^o$  in a similar way.

Now we prove that  $\phi(M^e, 0, 0)$  is the minimal polynomial of  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ . We know that

$$S(x, y) = \text{Res}_z (\phi_0(x, z), \phi_1(x, y + z))$$

is an annihilating of  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ . We verify that  $\phi(M^e, 0, 0)$  is an irreducible factor of  $S(x, y)$  of multiplicity  $\mu$ , and that  $Q(x, y) := S(x, y)/\phi(M^e, 0, 0)^\mu$  is not an annihilating polynomial of  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ . To see the last point, we truncate  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$  to order 770 and substitute it for  $y$  in  $Q(x, y)$ . We get a series of valuation less than 770, and therefore  $Q(x, y)$  is not an annihilating polynomial of  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$ .

Finally, the first 16 terms of  $M_{0,0}^e$  and  $W_{0,0}^o M_{0,0}^o + W_{0,1}^o M_{1,0}^o$  coincide. As these first terms determine a unique solution of  $\phi(M^e, 0, 0)$ , we know that the two series are one and the same.  $\square$

Define

$$R^e = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \quad \text{and} \quad R^o = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}.$$

**Lemma 2.2.** *For all integers  $k \geq 2$  and  $u = 2^{2k-1}$ , the following identities hold.*

$$\begin{aligned} M^e[:14u] &= M^e[:7u] + x^u M^e[:6u] + x^{3u} M^e[:4u] + x^{4u} M^e[:3u] + x^u M^e[:7u] \\ &\quad + x^{2u} M^e[:6u] + x^{4u} M^e[:4u] + x^{5u} M^e[:3u] + x^{2u} M^e[:7u] \\ &\quad + x^{3u} M^e[:6u] + x^{5u} M^e[:4u] + x^{6u} M^e[:3u] + x^{6u} M^e[:7u] \\ &\quad + x^{7u} M^e[:6u] + x^{9u} M^e[:4u] + x^{10u} M^e[:3u] + x^{9u} M^e[:5u] \end{aligned}$$

$$\begin{aligned}
& + x^{10u}M^e[:4u] + x^{11u}M^e[:3u] + x^{12u}M^e[:2u] + x^{13u}M^e[:u] \\
& + (x^{7u} + x^{8u} + x^{9u} + x^{13u})R^e, \\
W^e[:14u] &= W^e[:7u] + x^uW^e[:6u] + x^{3u}W^e[:4u] + x^{4u}W^e[:3u] + x^uW^e[:7u] \\
& + x^{2u}W^e[:6u] + x^{4u}W^e[:4u] + x^{5u}W^e[:3u] + x^{2u}W^e[:7u] \\
& + x^{3u}W^e[:6u] + x^{5u}W^e[:4u] + x^{6u}W^e[:3u] + x^{6u}W^e[:7u] \\
& + x^{7u}W^e[:6u] + x^{9u}W^e[:4u] + x^{10u}W^e[:3u] + x^{9u}W^e[:5u] \\
& + x^{10u}W^e[:4u] + x^{11u}W^e[:3u] + x^{12u}W^e[:2u] + x^{13u}W^e[:u] \\
& + (x^{7u} + x^{8u} + x^{9u} + x^{13u})R^e.
\end{aligned}$$

For all integers  $k \geq 2$  and  $u = 2^{2k}$ , the following identities hold.

$$\begin{aligned}
M^o[:14u] &= M^o[:7u] + x^uM^o[:6u] + x^{3u}M^o[:4u] + x^{4u}M^o[:3u] + x^uM^o[:7u] \\
& + x^{2u}M^o[:6u] + x^{4u}M^o[:4u] + x^{5u}M^o[:3u] + x^{2u}M^o[:7u] \\
& + x^{3u}M^o[:6u] + x^{5u}M^o[:4u] + x^{6u}M^o[:3u] + x^{6u}M^o[:7u] \\
& + x^{7u}M^o[:6u] + x^{9u}M^o[:4u] + x^{10u}M^o[:3u] + x^{9u}M^o[:5u] \\
& + x^{10u}M^o[:4u] + x^{11u}M^o[:3u] + x^{12u}M^o[:2u] + x^{13u}M^o[:u] \\
& + (x^{7u} + x^{8u} + x^{9u} + x^{13u})R^o, \\
W^o[:14u] &= W^o[:7u] + x^uW^o[:6u] + x^{3u}W^o[:4u] + x^{4u}W^o[:3u] + x^uW^o[:7u] \\
& + x^{2u}W^o[:6u] + x^{4u}W^o[:4u] + x^{5u}W^o[:3u] + x^{2u}W^o[:7u] \\
& + x^{3u}W^o[:6u] + x^{5u}W^o[:4u] + x^{6u}W^o[:3u] + x^{6u}W^o[:7u] \\
& + x^{7u}W^o[:6u] + x^{9u}W^o[:4u] + x^{10u}W^o[:3u] + x^{9u}W^o[:5u] \\
& + x^{10u}W^o[:4u] + x^{11u}W^o[:3u] + x^{12u}W^o[:2u] + x^{13u}W^o[:u] \\
& + (x^{7u} + x^{8u} + x^{9u} + x^{13u})R^o.
\end{aligned}$$

*Proof.* To prove Lemma 2.2 we first construct an automaton for each sequence concerned, and then transform the conditions on infinitely many  $k$ 's into finitely many conditions on the states of the automaton. In the following, we will prove that for  $T = M_{0,0}^o$ , for all integer  $k \geq 2$  and  $u = 2^{2k}$ ,

$$\begin{aligned}
T[:14u] &= T[:7u] + x^uT[:6u] + x^{3u}T[:4u] + x^{4u}T[:3u] + x^uT[:7u] + x^{2u}T[:6u] \\
& + x^{4u}T[:4u] + x^{5u}T[:3u] + x^{2u}T[:7u] + x^{3u}T[:6u] + x^{5u}T[:4u] \\
& + x^{6u}T[:3u] + x^{6u}T[:7u] + x^{7u}T[:6u] + x^{9u}T[:4u] + x^{10u}T[:3u] \\
& + x^{9u}T[:5u] + x^{10u}T[:4u] + x^{11u}T[:3u] + x^{12u}T[:2u] + x^{13u}T[:u].
\end{aligned}$$

The proof of the other 15 cases are similar. We break down the above identity into 7 parts:

$$\begin{aligned}
0 &= x^{7u}T[:u] + x^{4u}T[3u:4u] + x^{3u}T[4u:5u] + x^uT[6u:7u] + T[7u:8u], \\
0 &= x^{7u}T[u:2u] + x^{5u}T[3u:4u] + x^{3u}T[5u:6u] + x^{2u}T[6u:7u] \\
& + T[8u:9u], \\
0 &= x^{7u}T[2u:3u] + x^{6u}T[3u:4u] + T[9u:10u], \\
0 &= x^{7u}T[3u:4u] + x^{6u}T[4u:5u] + T[10u:11u],
\end{aligned}$$

$$\begin{aligned}
0 &= x^{11u}T[:u] + x^{7u}T[4u:5u] + x^{6u}T[5u:6u] + T[11u:12u], \\
0 &= x^{12u}T[:u] + x^{11u}T[u:2u] + x^{7u}T[5u:6u] + x^{6u}T[6u:7u] \\
&\quad + T[12u:13u], \\
0 &= x^{13u}T[:u] + x^{12u}T[u:2u] + x^{11u}T[2u:3u] + x^{10u}T[3u:4u] \\
&\quad + x^{9u}T[4u:5u] + T[13u:14u],
\end{aligned}$$

which can be rewritten as

$$\begin{aligned}
(2.7) \quad 0 &= T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[111w]_2], \\
(2.8) \quad 0 &= T[[1w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1000w]_2], \\
(2.9) \quad 0 &= T[[10w]_2] + T[[11w]_2] + T[[1001w]_2], \\
(2.10) \quad 0 &= T[[11w]_2] + T[[100w]_2] + T[[1010w]_2], \\
(2.11) \quad 0 &= T[[w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1011w]_2], \\
(2.12) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1100w]_2], \\
&\quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \\
(2.13) \quad &\quad + T[[1101w]_2],
\end{aligned}$$

for all binary word  $w$  of length  $2k$  and  $w \neq 0^{2k}$ , and

$$\begin{aligned}
(2.14) \quad 0 &= T[[w]_2] + T[[11w]_2] + T[[100w]_2] + T[[110w]_2] + T[[111w]_2], \\
(2.15) \quad 0 &= T[[1w]_2] + T[[11w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1000w]_2], \\
(2.16) \quad 0 &= T[[10w]_2] + T[[11w]_2] + T[[1001w]_2], \\
(2.17) \quad 0 &= T[[11w]_2] + T[[100w]_2] + T[[1010w]_2], \\
(2.18) \quad 0 &= T[[w]_2] + T[[100w]_2] + T[[101w]_2] + T[[1011w]_2], \\
(2.19) \quad 0 &= T[[w]_2] + T[[1w]_2] + T[[101w]_2] + T[[110w]_2] + T[[1100w]_2], \\
&\quad 0 = T[[w]_2] + T[[1w]_2] + T[[10w]_2] + T[[11w]_2] + T[[100w]_2] \\
(2.20) \quad &\quad + T[[1101w]_2],
\end{aligned}$$

for  $w = 0^{2k}$ .

First we calculate an 2-automaton that generates  $T$  from its minimal polynomial and its first terms. This automaton has 9192 states; its transition function and output function can be found in the annex. Let  $A(s, w)$  denote the state reached after reading  $w$  from right to left starting from the state  $s$ , and  $\tau$  the output function. Define

$$E_{2k} = \{A(i, w) : |w| = 2k, w \neq 0^{2k}\}.$$

Identities (2.7) through (2.20) can be written as

$$\begin{aligned}
(2.21) \quad 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110)) \\
&\quad + \tau(A(s, 111)),
\end{aligned}$$

$$\begin{aligned}
(2.22) \quad 0 &= \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\
&\quad + \tau(A(s, 1000)),
\end{aligned}$$

$$(2.23) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 1001)),$$

$$(2.24) \quad 0 = \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1010)),$$

$$(2.25) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1011)),$$

$$(2.26) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1100)), \end{aligned}$$

$$(2.27) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 1101)), \end{aligned}$$

for all  $s \in E_{2k}$ , and

$$(2.28) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 111)), \end{aligned}$$

$$(2.29) \quad \begin{aligned} 0 &= \tau(A(s, 1)) + \tau(A(s, 11)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1000)), \end{aligned}$$

$$(2.30) \quad 0 = \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 1001)),$$

$$(2.31) \quad 0 = \tau(A(s, 11)) + \tau(A(s, 100)) + \tau(A(s, 1010)),$$

$$(2.32) \quad 0 = \tau(A(s, \epsilon)) + \tau(A(s, 100)) + \tau(A(s, 101)) + \tau(A(s, 1011)),$$

$$(2.33) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 101)) + \tau(A(s, 110)) \\ &\quad + \tau(A(s, 1100)), \end{aligned}$$

$$(2.34) \quad \begin{aligned} 0 &= \tau(A(s, \epsilon)) + \tau(A(s, 1)) + \tau(A(s, 10)) + \tau(A(s, 11)) + \tau(A(s, 100)) \\ &\quad + \tau(A(s, 1101)), \end{aligned}$$

for  $s = A(i, 0^{2k})$ . We find that  $(A(i, 0^{86}), E_{86}) = (A(i, 0^{26}), E_{26})$ , so that we only have to verify that identities (2.21) through (2.34) hold for  $2 \leq k \leq 43$ , which turns out to be true.  $\square$

In the following lemma, we express  $M_{2k}$ ,  $M_{2k+1}$ ,  $W_{2k}$ , and  $W_{2k+1}$  in terms of  $M^e$ ,  $M^o$ ,  $W^e$ , and  $W^o$ .

**Lemma 2.3.** *For all integer  $k \geq 2$ , and  $u = 2^{2k-1}$ ,*

$$M_{2k} = M^e[:7u] + x^u M^e[:6u] + x^{3u} M^e[:4u] + x^{4u} M^e[:3u] + x^{7u} R^e,$$

$$W_{2k} = W^e[:7u] + x^u W^e[:6u] + x^{3u} W^e[:4u] + x^{4u} W^e[:3u] + x^{7u} R^e.$$

*For all integer  $k \geq 2$ , and  $u = 2^{2k}$ ,*

$$M_{2k+1} = M^o[:7u] + x^u M^o[:6u] + x^{3u} M^o[:4u] + x^{4u} M^o[:3u] + x^{7u} R^o,$$

$$W_{2k+1} = W^o[:7u] + x^u W^o[:6u] + x^{3u} W^o[:4u] + x^{4u} W^o[:3u] + x^{7u} R^o.$$

*Proof.* We call the four identities in Lemma 2.3 also by the name  $M_{2k}$ ,  $W_{2k}$ ,  $M_{2k+1}$ , and  $W_{2k+1}$ . For  $n = 2$ , the identities can be verified directly. For  $n \geq 2$ , we claim that

$$\begin{aligned} M_{2k} \wedge W_{2k} &\Rightarrow M_{2k+1} \wedge W_{2k+1}, \\ M_{2k+1} \wedge W_{2k+1} &\Rightarrow M_{2k+2} \wedge W_{2k+2}. \end{aligned}$$

We give the proof of

$$M_{2k} \wedge W_{2k} \Rightarrow M_{2k+1},$$

the other ones being similar. Set  $u = 2^{2k}$  and  $v = 2^{2k-1}$ . By definition and induction hypothesis, the left side of identity  $M_{2k+1}$  is equal to

$$(2.35) \quad \begin{aligned} W_{2k} M_{2k} &= (W^e[:7v] + x^v W^e[:6v] + x^{3v} W^e[:4v] + x^{4v} W^e[:3v] + x^{7v} R^e) \times ( \\ &\quad M^e[:7v] + x^v M^e[:6v] + x^{3v} M^e[:4v] + x^{4v} M^e[:3v] + x^{7v} R^e); \end{aligned}$$

Call this expression *lhs*. Note that both sides of identity  $M_{2k+1}$  have the same term of highest degree  $x^{14v}R^o$ . Therefore we only need to prove that their difference is  $O(x^{14v})$ . Using Lemma 2.1 it can be seen that the right side of identity  $M_{2k+1}$  is congruent, modulo  $x^{14v}$ , to

$$W^e[:14v]M^e[:14v] + x^{2v}W^e[:12v]M^e[:12v] + x^{6v}W^e[:8v]M^e[:8v] + x^{8v}W^e[:6v]M^e[:6v].$$

For all  $n \leq 14$ , replace the occurrences of  $W^e[:n \cdot v]$  and  $M^e[:n \cdot v]$  in the above expression by the reduction modulo  $x^{n \cdot v}$  of the right side of the corresponding identity in Lemma 2.2 and get a new expression, which we call *rhs*. Define

$$\begin{aligned} X &:= x^v, \\ a_n &:= W^e[n \cdot v : (n+1) \cdot v] / X^n, \\ b_n &:= M^e[n \cdot v : (n+1) \cdot v] / X^n, \\ c &:= R^e. \end{aligned}$$

Using the notation introduced above, we can represent the expressions *lhs* (2.35) and *rhs* as polynomials in  $\mathbb{F}_2[a_1, \dots, a_{14}, b_1, \dots, b_{14}, c][X]$ . Note that it is not a problem that  $a_j$  commutes with  $b_k$  while  $W^e$  does not commute with  $M^e$ , because in the expressions concerned, the products of  $W^e$ -terms and  $M^e$ -terms are always in the same order. We let the computer do the simplification and check that the difference between these two polynomials is indeed  $O(X^{14})$ , which completes the proof.  $\square$

*Proof of Theorem 1.1.* We prove the theorem for  $\text{CF}(a, b)$ ; for  $\text{CF}(b, a)$ , the proof is similar. By Lemma 2.3, we have For all  $0 \leq j, k \leq 1$ ,

$$\begin{aligned} \lim_{n \rightarrow \infty} M_{2n,j,k} &= M_{j,k}^e, \\ \lim_{n \rightarrow \infty} M_{2n+1,j,k} &= M_{j,k}^o, \\ \lim_{n \rightarrow \infty} W_{2n,j,k} &= W_{j,k}^e, \\ \lim_{n \rightarrow \infty} W_{2n+1,j,k} &= W_{j,k}^o. \end{aligned}$$

Let  $z = 1/x$ . By the convergence theorem and identity (2.2),

$$\text{CF}(a, b) = \frac{M_{0,1}^e(x)}{M_{0,0}^e(x)}.$$

By definition,  $\phi(M^e, 0, 1)$  and  $\phi(M^e, 0, 0)$  are minimal polynomials of  $M_{0,1}^e$  and  $M_{0,0}^e$ . Therefore

$$P(x, y) = \text{Res}_t (\phi(M^e, 0, 1)(x, t), y^{12}\phi(M^e, 0, 1)(x, t/y))$$

is an annihilating polynomial of  $f(x) = M_{0,1}^e/M_{0,0}^e$ .

Define

$$Q(x, y) = q_4(x)y^4 + q_3(x)y^3 + q_2(x)y^2 + q_1(x)y + q_0(x),$$

where

$$\begin{aligned} q_0(x) &= x^{28} + x^{26} + x^{21} + x^{20} + x^{18} + x^{17} + x^{14} + x^{11} + x^9 + x^7, \\ q_1(x) &= x^{26} + x^{24} + x^{22} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^7 + x^6 \\ &\quad + x^5 + x^2, \end{aligned}$$

$$\begin{aligned}
q_2(x) &= x^{24} + x^{10} + x^8 + 1, \\
q_3(x) &= x^{26} + x^{24} + x^{22} + x^{19} + x^{18} + x^{16} + x^{15} + x^{14} + x^{12} + x^9 + x^7 + x^6 \\
&\quad + x^5 + x^2, \\
q_4(x) &= x^{26} + x^{24} + x^{21} + x^{18} + x^{17} + x^{14} + x^{11} + x^{10} + x^9 + x^7 + x^4.
\end{aligned}$$

The polynomial  $Q(x, y)$  is the candidate for the minimal polynomial of  $f(x)$  found by Padé-Hermite approximation. To prove that it is indeed the minimal polynomial of  $f(x)$ , we only need to prove that it is an irreducible factor of  $P(x, y)$  of multiplicity  $m$  and  $R(x, y) := P(x, y)/Q(x, y)^m$  is not an annihilating polynomial of  $f(x)$ . We verify the first point directly. For the second point, we find that when we truncate  $f(x)$  to order 216, and substitute it for  $y$  in  $R(z, y)$ , we get a series with valuation smaller than 216, which proves that  $R(z, y)$  is not an annihilating polynomial of  $f(x)$ . Finally,  $z^{12}Q(1/z, y)$  is the minimal polynomial of  $\text{CF}(a, b) = f(1/z)$ .  $\square$

### 3. ANNEXE

All 16 polynomials are of the form

$$p_0(x) + p_3(x)y^3 + p_6(x)y^6 + p_9(x)y^9 + p_{12}(x)y^{12}.$$

The coefficients  $p_j(x)$  and the 16 initial terms to determine the solutions uniquely are given below.

For  $\phi(M^e, 0, 0)$ :

$$\begin{aligned}
p_0(x) &= x^{156} + x^{152} + x^{148} + x^{146} + x^{144} + x^{140} + x^{136} + x^{132} + x^{130} + x^{124} \\
&\quad + x^{122} + x^{120} + x^{118} + x^{100} + x^{94} + x^{92} + x^{90} + x^{88} + x^{86} + x^{80} \\
&\quad + x^{78} + x^{70} + x^{66} + x^{64} + x^{62} + x^{60} + x^{50} + x^{46} + x^{42} + x^{38} + x^{34} \\
&\quad + x^{30} + x^{24}, \\
p_3(x) &= x^{148} + x^{144} + x^{142} + x^{140} + x^{136} + x^{132} + x^{126} + x^{124} + x^{122} + x^{120} \\
&\quad + x^{114} + x^{112} + x^{106} + x^{102} + x^{96} + x^{94} + x^{92} + x^{90} + x^{78} + x^{76} \\
&\quad + x^{70} + x^{62} + x^{58} + x^{56} + x^{52} + x^{46} + x^{44} + x^{26} + x^{22} + x^{20} + x^{18} \\
&\quad + x^{16}, \\
p_6(x) &= x^{142} + x^{138} + x^{136} + x^{132} + x^{130} + x^{122} + x^{116} + x^{112} + x^{102} + x^{100} \\
&\quad + x^{94} + x^{90} + x^{88} + x^{82} + x^{80} + x^{78} + x^{68} + x^{66} + x^{64} + x^{52} + x^{48} \\
&\quad + x^{46} + x^{44} + x^{40} + x^{36} + x^{34} + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} + x^{22} \\
&\quad + x^{16} + x^{10} + x^4 + 1, \\
p_9(x) &= x^{152} + x^{148} + x^{140} + x^{136} + x^{134} + x^{132} + x^{128} + x^{126} + x^{124} + x^{120} \\
&\quad + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{104} + x^{100} + x^{96} + x^{92} + x^{88} \\
&\quad + x^{80} + x^{78} + x^{62} + x^{58} + x^{54} + x^{52} + x^{48} + x^{46} + x^{44} + x^{42} + x^{38} \\
&\quad + x^{32} + x^{30} + x^{28} + x^{24} + x^{20} + x^{18} + x^{14} + x^{12} + x^{10} + x^8 + x^4, \\
p_{12}(x) &= x^{152} + x^{136} + x^{112} + x^{104} + x^{88} + x^{80} + x^{72} + x^{40} + x^{32} + x^{16} + x^8 \\
&\quad + 1,
\end{aligned}$$

and the initial terms are  $[1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0]$ .

For  $\phi(M^e, 0, 1)$ :

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{130} + x^{128} + x^{127} \\ & + x^{124} + x^{123} + x^{121} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} \\ & + x^{112} + x^{111} + x^{108} + x^{107} + x^{105} + x^{104} + x^{98} + x^{97} + x^{96} + x^{95} \\ & + x^{94} + x^{92} + x^{89} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{72} \\ & + x^{71} + x^{70} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} \\ & + x^{54} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{44} + x^{42} + x^{39} + x^{38} + x^{36} \\ & + x^{35} + x^{34} + x^{33}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{143} + x^{139} + x^{138} + x^{129} + x^{125} + x^{124} + x^{119} + x^{115} + x^{114} + x^{113} \\ & + x^{109} + x^{108} + x^{103} + x^{99} + x^{98} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{90} \\ & + x^{87} + x^{83} + x^{82} + x^{71} + x^{67} + x^{66} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51} \\ & + x^{50} + x^{33} + x^{31} + x^{29} + x^{28} + x^{27} + x^{26} + x^{23} + x^{19} + x^{18}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{141} + x^{139} + x^{136} + x^{135} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{122} \\ & + x^{121} + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{109} + x^{107} + x^{104} \\ & + x^{101} + x^{100} + x^{98} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} \\ & + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} \\ & + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{52} + x^{50} + x^{49} \\ & + x^{47} + x^{46} + x^{43} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\ & + x^{26} + x^{23} + x^{18} + x^{16} + x^{15} + x^{13} + x^{12}, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{139} + x^{134} + x^{130} + x^{127} + x^{126} + x^{123} + x^{121} + x^{118} + x^{117} + x^{116} \\ & + x^{115} + x^{114} + x^{111} + x^{107} + x^{106} + x^{105} + x^{101} + x^{100} + x^{99} + x^{95} \\ & + x^{94} + x^{93} + x^{91} + x^{88} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{78} + x^{76} \\ & + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} + x^{63} + x^{61} + x^{60} \\ & + x^{59} + x^{58} + x^{57} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{44} + x^{40} \\ & + x^{36} + x^{35} + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{25} + x^{23} + x^{22} + x^{21} \\ & + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^7 + x^6, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{137} + x^{135} + x^{133} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} + x^{121} + x^{119} \\ & + x^{116} + x^{115} + x^{113} + x^{112} + x^{105} + x^{103} + x^{101} + x^{100} + x^{97} + x^{95} \\ & + x^{93} + x^{92} + x^{89} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} + x^{57} + x^{55} + x^{53} \\ & + x^{52} + x^{49} + x^{47} + x^{45} + x^{44} + x^{37} + x^{35} + x^{32} + x^{31} + x^{29} + x^{28} \\ & + x^{21} + x^{19} + x^{16} + x^{15} + x^{13} + x^{12} + x^9 + x^7 + x^4 + x^3 + x + 1, \end{aligned}$$

and the initial terms are  $[0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0]$ .

For  $\phi(M^e, 1, 0)$ :

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{141} + x^{140} + x^{139} + x^{137} + x^{135} + x^{130} + x^{128} + x^{127} \\ & + x^{124} + x^{123} + x^{121} + x^{120} + x^{118} + x^{117} + x^{116} + x^{115} + x^{114} \end{aligned}$$

$$\begin{aligned}
& + x^{112} + x^{111} + x^{108} + x^{107} + x^{105} + x^{104} + x^{98} + x^{97} + x^{96} + x^{95} \\
& + x^{94} + x^{92} + x^{89} + x^{85} + x^{84} + x^{82} + x^{81} + x^{80} + x^{79} + x^{78} + x^{72} \\
& + x^{71} + x^{70} + x^{67} + x^{66} + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{57} \\
& + x^{54} + x^{51} + x^{50} + x^{49} + x^{47} + x^{46} + x^{44} + x^{42} + x^{39} + x^{38} + x^{36} \\
& + x^{35} + x^{34} + x^{33}, \\
p_3(x) &= x^{143} + x^{139} + x^{138} + x^{129} + x^{125} + x^{124} + x^{119} + x^{115} + x^{114} + x^{113} \\
& + x^{109} + x^{108} + x^{103} + x^{99} + x^{98} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{90} \\
& + x^{87} + x^{83} + x^{82} + x^{71} + x^{67} + x^{66} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51} \\
& + x^{50} + x^{33} + x^{31} + x^{29} + x^{28} + x^{27} + x^{26} + x^{23} + x^{19} + x^{18}, \\
p_6(x) &= x^{141} + x^{139} + x^{136} + x^{135} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{122} \\
& + x^{121} + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{109} + x^{107} + x^{104} \\
& + x^{101} + x^{100} + x^{98} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} \\
& + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{52} + x^{50} + x^{49} \\
& + x^{47} + x^{46} + x^{43} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\
& + x^{26} + x^{23} + x^{18} + x^{16} + x^{15} + x^{13} + x^{12}, \\
p_9(x) &= x^{139} + x^{134} + x^{130} + x^{127} + x^{126} + x^{123} + x^{121} + x^{118} + x^{117} + x^{116} \\
& + x^{115} + x^{114} + x^{111} + x^{107} + x^{106} + x^{105} + x^{101} + x^{100} + x^{99} + x^{95} \\
& + x^{94} + x^{93} + x^{91} + x^{88} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{78} + x^{76} \\
& + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} + x^{63} + x^{61} + x^{60} \\
& + x^{59} + x^{58} + x^{57} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{44} + x^{40} \\
& + x^{36} + x^{35} + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{25} + x^{23} + x^{22} + x^{21} \\
& + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^7 + x^6, \\
p_{12}(x) &= x^{137} + x^{135} + x^{133} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} + x^{121} + x^{119} \\
& + x^{116} + x^{115} + x^{113} + x^{112} + x^{105} + x^{103} + x^{101} + x^{100} + x^{97} + x^{95} \\
& + x^{93} + x^{92} + x^{89} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} + x^{57} + x^{55} + x^{53} \\
& + x^{52} + x^{49} + x^{47} + x^{45} + x^{44} + x^{37} + x^{35} + x^{32} + x^{31} + x^{29} + x^{28} \\
& + x^{21} + x^{19} + x^{16} + x^{15} + x^{13} + x^{12} + x^9 + x^7 + x^4 + x^3 + x + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0]$ .

For  $\phi(M^e, 1, 1)$ :

$$\begin{aligned}
p_0(x) &= x^{138} + x^{130} + x^{128} + x^{126} + x^{118} + x^{114} + x^{106} + x^{104} + x^{98} + x^{84} \\
& + x^{82} + x^{78} + x^{68} + x^{66} + x^{62} + x^{56} + x^{52} + x^{50} + x^{46} + x^{44} + x^{42}, \\
p_3(x) &= x^{126} + x^{118} + x^{116} + x^{112} + x^{108} + x^{106} + x^{100} + x^{96} + x^{94} + x^{86} \\
& + x^{84} + x^{80} + x^{74} + x^{70} + x^{66} + x^{62} + x^{58} + x^{54} + x^{52} + x^{42} + x^{40} \\
& + x^{38} + x^{34} + x^{22} + x^{20} + x^{16} + x^{14} + x^{12},
\end{aligned}$$

$$\begin{aligned}
p_6(x) &= x^{126} + x^{122} + x^{118} + x^{116} + x^{108} + x^{104} + x^{96} + x^{90} + x^{78} + x^{74} \\
&\quad + x^{72} + x^{68} + x^{66} + x^{64} + x^{62} + x^{56} + x^{52} + x^{50} + x^{38} + x^{34} + x^{30} \\
&\quad + x^{28} + x^{26} + x^{22} + x^{20} + x^{18} + x^{14} + x^{12} + x^{10} + x^4 + x^2 + 1, \\
p_9(x) &= x^{122} + x^{112} + x^{108} + x^{106} + x^{104} + x^{102} + x^{98} + x^{92} + x^{90} + x^{88} \\
&\quad + x^{86} + x^{74} + x^{72} + x^{68} + x^{56} + x^{54} + x^{52} + x^{50} + x^{48} + x^{44} + x^{32} \\
&\quad + x^{22} + x^{20} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4, \\
p_{12}(x) &= x^{122} + x^{118} + x^{114} + x^{112} + x^{90} + x^{86} + x^{82} + x^{80} + x^{42} + x^{38} + x^{34} \\
&\quad + x^{32} + x^{26} + x^{22} + x^{18} + x^{16} + x^{10} + x^6 + x^2 + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0]$ .

For  $\phi(W^e, 0, 0)$ :

$$\begin{aligned}
p_0(x) &= x^{138} + x^{128} + x^{120} + x^{118} + x^{112} + x^{106} + x^{104} + x^{88} + x^{82} + x^{80} \\
&\quad + x^{78} + x^{74} + x^{72} + x^{68} + x^{62} + x^{60} + x^{56} + x^{54} + x^{50} + x^{46} + x^{32} \\
&\quad + x^{26} + x^{24}, \\
p_3(x) &= x^{126} + x^{116} + x^{112} + x^{106} + x^{96} + x^{92} + x^{90} + x^{84} + x^{82} + x^{76} + x^{70} \\
&\quad + x^{68} + x^{64} + x^{62} + x^{60} + x^{58} + x^{50} + x^{42} + x^{34} + x^{32} + x^{30} + x^{28} \\
&\quad + x^{26} + x^{24} + x^{20} + x^{16}, \\
p_6(x) &= x^{126} + x^{122} + x^{116} + x^{114} + x^{110} + x^{102} + x^{100} + x^{92} + x^{90} + x^{88} \\
&\quad + x^{82} + x^{80} + x^{78} + x^{66} + x^{64} + x^{62} + x^{50} + x^{48} + x^{46} + x^{42} + x^{40} \\
&\quad + x^{36} + x^{34} + x^{32} + x^{30} + x^{28} + x^{22} + x^{14} + x^8 + x^4 + x^2 + 1, \\
p_9(x) &= x^{122} + x^{112} + x^{108} + x^{106} + x^{104} + x^{102} + x^{98} + x^{92} + x^{90} + x^{88} \\
&\quad + x^{86} + x^{74} + x^{72} + x^{68} + x^{56} + x^{54} + x^{52} + x^{50} + x^{48} + x^{44} + x^{32} \\
&\quad + x^{22} + x^{20} + x^{16} + x^{14} + x^{12} + x^{10} + x^8 + x^6 + x^4, \\
p_{12}(x) &= x^{122} + x^{118} + x^{114} + x^{112} + x^{90} + x^{86} + x^{82} + x^{80} + x^{42} + x^{38} + x^{34} \\
&\quad + x^{32} + x^{26} + x^{22} + x^{18} + x^{16} + x^{10} + x^6 + x^2 + 1,
\end{aligned}$$

and the initial terms are  $[1, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 0]$ .

For  $\phi(W^e, 0, 1)$ :

$$\begin{aligned}
p_0(x) &= x^{147} + x^{141} + x^{139} + x^{137} + x^{136} + x^{133} + x^{132} + x^{129} + x^{125} + x^{123} \\
&\quad + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{110} + x^{109} + x^{106} + x^{103} \\
&\quad + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{87} + x^{86} \\
&\quad + x^{83} + x^{77} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{64} + x^{62} \\
&\quad + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} \\
&\quad + x^{45} + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{143} + x^{139} + x^{138} + x^{129} + x^{125} + x^{124} + x^{119} + x^{115} + x^{114} + x^{113} \\
&\quad + x^{109} + x^{108} + x^{103} + x^{99} + x^{98} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{90} \\
&\quad + x^{87} + x^{83} + x^{82} + x^{71} + x^{67} + x^{66} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51}
\end{aligned}$$

$$\begin{aligned}
& + x^{50} + x^{33} + x^{31} + x^{29} + x^{28} + x^{27} + x^{26} + x^{23} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{139} + x^{136} + x^{135} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{122} \\
& + x^{121} + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{109} + x^{107} + x^{104} \\
& + x^{101} + x^{100} + x^{98} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87} \\
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} \\
& + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{52} + x^{50} + x^{49} \\
& + x^{47} + x^{46} + x^{43} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\
& + x^{26} + x^{23} + x^{18} + x^{16} + x^{15} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{134} + x^{130} + x^{127} + x^{126} + x^{123} + x^{121} + x^{118} + x^{117} + x^{116} \\
& + x^{115} + x^{114} + x^{111} + x^{107} + x^{106} + x^{105} + x^{101} + x^{100} + x^{99} + x^{95} \\
& + x^{94} + x^{93} + x^{91} + x^{88} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{78} + x^{76} \\
& + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} + x^{63} + x^{61} + x^{60} \\
& + x^{59} + x^{58} + x^{57} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{44} + x^{40} \\
& + x^{36} + x^{35} + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{25} + x^{23} + x^{22} + x^{21} \\
& + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{135} + x^{133} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} + x^{121} + x^{119} \\
& + x^{116} + x^{115} + x^{113} + x^{112} + x^{105} + x^{103} + x^{101} + x^{100} + x^{97} + x^{95} \\
& + x^{93} + x^{92} + x^{89} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} + x^{57} + x^{55} + x^{53} \\
& + x^{52} + x^{49} + x^{47} + x^{45} + x^{44} + x^{37} + x^{35} + x^{32} + x^{31} + x^{29} + x^{28} \\
& + x^{21} + x^{19} + x^{16} + x^{15} + x^{13} + x^{12} + x^9 + x^7 + x^4 + x^3 + x + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0]$ .

For  $\phi(W^e, 1, 0)$ :

$$\begin{aligned}
p_0(x) = & x^{147} + x^{141} + x^{139} + x^{137} + x^{136} + x^{133} + x^{132} + x^{129} + x^{125} + x^{123} \\
& + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{110} + x^{109} + x^{106} + x^{103} \\
& + x^{99} + x^{98} + x^{96} + x^{95} + x^{94} + x^{92} + x^{91} + x^{90} + x^{89} + x^{87} + x^{86} \\
& + x^{83} + x^{77} + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{64} + x^{62} \\
& + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} + x^{56} + x^{54} + x^{52} + x^{51} + x^{50} + x^{49} \\
& + x^{45} + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} + x^{36} + x^{35} + x^{33}, \\
p_3(x) = & x^{143} + x^{139} + x^{138} + x^{129} + x^{125} + x^{124} + x^{119} + x^{115} + x^{114} + x^{113} \\
& + x^{109} + x^{108} + x^{103} + x^{99} + x^{98} + x^{97} + x^{95} + x^{93} + x^{92} + x^{91} + x^{90} \\
& + x^{87} + x^{83} + x^{82} + x^{71} + x^{67} + x^{66} + x^{57} + x^{55} + x^{53} + x^{52} + x^{51} \\
& + x^{50} + x^{33} + x^{31} + x^{29} + x^{28} + x^{27} + x^{26} + x^{23} + x^{19} + x^{18}, \\
p_6(x) = & x^{141} + x^{139} + x^{136} + x^{135} + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{122} \\
& + x^{121} + x^{120} + x^{119} + x^{117} + x^{115} + x^{114} + x^{109} + x^{107} + x^{104} \\
& + x^{101} + x^{100} + x^{98} + x^{96} + x^{93} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} + x^{87}
\end{aligned}$$

$$\begin{aligned}
& + x^{86} + x^{84} + x^{83} + x^{82} + x^{81} + x^{77} + x^{76} + x^{75} + x^{74} + x^{72} + x^{70} \\
& + x^{66} + x^{65} + x^{64} + x^{63} + x^{61} + x^{59} + x^{58} + x^{57} + x^{52} + x^{50} + x^{49} \\
& + x^{47} + x^{46} + x^{43} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{29} + x^{27} \\
& + x^{26} + x^{23} + x^{18} + x^{16} + x^{15} + x^{13} + x^{12}, \\
p_9(x) = & x^{139} + x^{134} + x^{130} + x^{127} + x^{126} + x^{123} + x^{121} + x^{118} + x^{117} + x^{116} \\
& + x^{115} + x^{114} + x^{111} + x^{107} + x^{106} + x^{105} + x^{101} + x^{100} + x^{99} + x^{95} \\
& + x^{94} + x^{93} + x^{91} + x^{88} + x^{86} + x^{85} + x^{84} + x^{82} + x^{81} + x^{78} + x^{76} \\
& + x^{74} + x^{72} + x^{70} + x^{69} + x^{68} + x^{67} + x^{66} + x^{65} + x^{63} + x^{61} + x^{60} \\
& + x^{59} + x^{58} + x^{57} + x^{55} + x^{52} + x^{50} + x^{48} + x^{47} + x^{46} + x^{44} + x^{40} \\
& + x^{36} + x^{35} + x^{33} + x^{32} + x^{31} + x^{30} + x^{27} + x^{25} + x^{23} + x^{22} + x^{21} \\
& + x^{20} + x^{19} + x^{17} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^7 + x^6, \\
p_{12}(x) = & x^{137} + x^{135} + x^{133} + x^{132} + x^{129} + x^{127} + x^{125} + x^{124} + x^{121} + x^{119} \\
& + x^{116} + x^{115} + x^{113} + x^{112} + x^{105} + x^{103} + x^{101} + x^{100} + x^{97} + x^{95} \\
& + x^{93} + x^{92} + x^{89} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} + x^{57} + x^{55} + x^{53} \\
& + x^{52} + x^{49} + x^{47} + x^{45} + x^{44} + x^{37} + x^{35} + x^{32} + x^{31} + x^{29} + x^{28} \\
& + x^{21} + x^{19} + x^{16} + x^{15} + x^{13} + x^{12} + x^9 + x^7 + x^4 + x^3 + x + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0]$ .

For  $\phi(W^e, 1, 1)$ :

$$\begin{aligned}
p_0(x) = & x^{156} + x^{146} + x^{144} + x^{140} + x^{138} + x^{136} + x^{128} + x^{116} + x^{110} + x^{108} \\
& + x^{102} + x^{100} + x^{98} + x^{96} + x^{88} + x^{86} + x^{84} + x^{80} + x^{78} + x^{72} + x^{68} \\
& + x^{66} + x^{64} + x^{62} + x^{60} + x^{50} + x^{48} + x^{44} + x^{42}, \\
p_3(x) = & x^{142} + x^{140} + x^{134} + x^{132} + x^{128} + x^{126} + x^{122} + x^{118} + x^{112} + x^{108} \\
& + x^{106} + x^{102} + x^{96} + x^{94} + x^{90} + x^{88} + x^{84} + x^{76} + x^{68} + x^{60} + x^{54} \\
& + x^{52} + x^{50} + x^{48} + x^{46} + x^{40} + x^{38} + x^{32} + x^{28} + x^{26} + x^{24} + x^{20} \\
& + x^{16} + x^{12}, \\
p_6(x) = & x^{148} + x^{142} + x^{138} + x^{136} + x^{134} + x^{132} + x^{130} + x^{128} + x^{124} + x^{122} \\
& + x^{118} + x^{114} + x^{108} + x^{104} + x^{102} + x^{100} + x^{94} + x^{92} + x^{90} + x^{88} \\
& + x^{84} + x^{82} + x^{80} + x^{72} + x^{70} + x^{66} + x^{62} + x^{58} + x^{56} + x^{54} + x^{50} \\
& + x^{48} + x^{46} + x^{38} + x^{36} + x^{34} + x^{30} + x^{26} + x^{24} + x^{20} + x^{18} + x^{12} \\
& + x^{10} + x^8 + x^4 + 1, \\
p_9(x) = & x^{152} + x^{148} + x^{140} + x^{136} + x^{134} + x^{132} + x^{128} + x^{126} + x^{124} + x^{120} \\
& + x^{116} + x^{114} + x^{110} + x^{108} + x^{106} + x^{104} + x^{100} + x^{96} + x^{92} + x^{88} \\
& + x^{80} + x^{78} + x^{62} + x^{58} + x^{54} + x^{52} + x^{48} + x^{46} + x^{44} + x^{42} + x^{38} \\
& + x^{32} + x^{30} + x^{28} + x^{24} + x^{20} + x^{18} + x^{14} + x^{12} + x^{10} + x^8 + x^4, \\
p_{12}(x) = & x^{152} + x^{136} + x^{112} + x^{104} + x^{88} + x^{80} + x^{72} + x^{40} + x^{32} + x^{16} + x^8
\end{aligned}$$

+ 1,

and the initial terms are  $[0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0]$ .

For  $\phi(M^o, 0, 0)$ :

$$\begin{aligned} p_0(x) = & x^{147} + x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{137} + x^{131} + x^{130} + x^{129} \\ & + x^{126} + x^{125} + x^{119} + x^{117} + x^{113} + x^{111} + x^{110} + x^{109} + x^{107} \\ & + x^{104} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} \\ & + x^{91} + x^{90} + x^{89} + x^{87} + x^{85} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} + x^{73} \\ & + x^{72} + x^{70} + x^{69} + x^{68} + x^{66} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} \\ & + x^{53} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} \\ & + x^{36} + x^{35} + x^{34} + x^{32} + x^{30} + x^{29} + x^{27} + x^{25} + x^{24}, \end{aligned}$$

$$\begin{aligned} p_3(x) = & x^{145} + x^{140} + x^{139} + x^{137} + x^{136} + x^{133} + x^{131} + x^{129} + x^{128} + x^{125} \\ & + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} + x^{116} + x^{112} \\ & + x^{111} + x^{110} + x^{108} + x^{106} + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} \\ & + x^{93} + x^{92} + x^{91} + x^{89} + x^{86} + x^{83} + x^{81} + x^{78} + x^{77} + x^{74} + x^{73} \\ & + x^{70} + x^{67} + x^{62} + x^{60} + x^{59} + x^{57} + x^{56} + x^{53} + x^{52} + x^{47} + x^{45} \\ & + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{34} + x^{32} + x^{27} + x^{26} + x^{24} + x^{22} \\ & + x^{21} + x^{19} + x^{17} + x^{16}, \end{aligned}$$

$$\begin{aligned} p_6(x) = & x^{145} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{127} + x^{125} + x^{124} + x^{123} \\ & + x^{122} + x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{105} + x^{103} + x^{102} \\ & + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{92} + x^{89} + x^{85} + x^{83} + x^{82} + x^{81} \\ & + x^{79} + x^{78} + x^{77} + x^{76} + x^{73} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{66} \\ & + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52} \\ & + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} + x^{40} + x^{37} + x^{35} + x^{30} + x^{26} \\ & + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} \\ & + x^{12} + x^{11} + x^8 + x^7 + x^4 + x^3 + x + 1, \end{aligned}$$

$$\begin{aligned} p_9(x) = & x^{145} + x^{143} + x^{141} + x^{140} + x^{129} + x^{127} + x^{124} + x^{123} + x^{121} + x^{120} \\ & + x^{113} + x^{111} + x^{109} + x^{108} + x^{97} + x^{95} + x^{92} + x^{91} + x^{89} + x^{88} \\ & + x^{65} + x^{63} + x^{61} + x^{60} + x^{45} + x^{43} + x^{41} + x^{40} + x^{29} + x^{27} + x^{25} \\ & + x^{24} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8, \end{aligned}$$

$$\begin{aligned} p_{12}(x) = & x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{135} + x^{133} + x^{132} + x^{125} + x^{123} \\ & + x^{120} + x^{119} + x^{116} + x^{115} + x^{112} + x^{111} + x^{109} + x^{108} + x^{105} \\ & + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{88} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} \\ & + x^{65} + x^{63} + x^{61} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{49} + x^{47} + x^{44} \\ & + x^{43} + x^{41} + x^{40} + x^{37} + x^{35} + x^{32} + x^{31} + x^{28} + x^{27} + x^{25} + x^{24} \\ & + x^{21} + x^{19} + x^{17} + x^{16} + x^{13} + x^{11} + x^8 + x^7 + x^4 + x^3 + x + 1, \end{aligned}$$

and the initial terms are  $[1, 0, 0, 0, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0]$ .

For  $\phi(M^o, 0, 1)$ :

$$\begin{aligned}
p_0(x) &= x^{148} + x^{142} + x^{138} + x^{137} + x^{134} + x^{132} + x^{127} + x^{125} + x^{123} + x^{122} \\
&\quad + x^{121} + x^{120} + x^{119} + x^{118} + x^{116} + x^{112} + x^{111} + x^{109} + x^{107} \\
&\quad + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{99} + x^{97} + x^{91} + x^{89} + x^{88} \\
&\quad + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} \\
&\quad + x^{69} + x^{68} + x^{67} + x^{65} + x^{64} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} \\
&\quad + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} \\
&\quad + x^{39} + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{134} + x^{132} + x^{130} + x^{127} + x^{123} + x^{119} + x^{118} + x^{117} + x^{116} + x^{111} \\
&\quad + x^{107} + x^{103} + x^{102} + x^{101} + x^{100} + x^{95} + x^{91} + x^{87} + x^{85} + x^{82} \\
&\quad + x^{62} + x^{60} + x^{58} + x^{55} + x^{51} + x^{47} + x^{45} + x^{42} + x^{38} + x^{36} + x^{34} \\
&\quad + x^{31} + x^{27} + x^{23} + x^{21} + x^{18}, \\
p_6(x) &= x^{136} + x^{132} + x^{128} + x^{122} + x^{120} + x^{114} + x^{104} + x^{100} + x^{98} + x^{96} \\
&\quad + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} + x^{76} + x^{74} + x^{72} + x^{70} + x^{66} \\
&\quad + x^{64} + x^{58} + x^{52} + x^{50} + x^{46} + x^{38} + x^{36} + x^{34} + x^{30} + x^{26} + x^{18} \\
&\quad + x^{16} + x^{12}, \\
p_9(x) &= x^{138} + x^{136} + x^{132} + x^{131} + x^{128} + x^{126} + x^{124} + x^{123} + x^{121} + x^{118} \\
&\quad + x^{106} + x^{104} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{89} + x^{86} + x^{58} \\
&\quad + x^{56} + x^{52} + x^{51} + x^{48} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} \\
&\quad + x^{36} + x^{35} + x^{32} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{22} + x^{20} \\
&\quad + x^{19} + x^{16} + x^{14} + x^{12} + x^{11} + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{132} + x^{120} + x^{116} + x^{112} + x^{108} + x^{100} + x^{88} + x^{84} + x^{80} \\
&\quad + x^{60} + x^{52} + x^{44} + x^{40} + x^{32} + x^{28} + x^{24} + x^{16} + x^8 + x^4 + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 0]$ .

For  $\phi(M^o, 1, 0)$ :

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{152} + x^{149} + x^{148} + x^{146} + x^{145} + x^{142} + x^{141} + x^{140} \\
&\quad + x^{139} + x^{135} + x^{131} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} \\
&\quad + x^{120} + x^{117} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} + x^{108} + x^{107} \\
&\quad + x^{104} + x^{102} + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{92} + x^{90} + x^{89} \\
&\quad + x^{83} + x^{82} + x^{81} + x^{80} + x^{77} + x^{74} + x^{71} + x^{69} + x^{68} + x^{67} + x^{62} \\
&\quad + x^{61} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{44} + x^{43} + x^{42} + x^{38} + x^{34} \\
&\quad + x^{33}, \\
p_3(x) &= x^{154} + x^{152} + x^{150} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{137} + x^{135} \\
&\quad + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{118} + x^{117} + x^{116} + x^{115}
\end{aligned}$$

$$\begin{aligned}
& + x^{114} + x^{113} + x^{112} + x^{111} + x^{106} + x^{104} + x^{101} + x^{100} + x^{97} + x^{94} \\
& + x^{89} + x^{87} + x^{86} + x^{85} + x^{80} + x^{78} + x^{75} + x^{74} + x^{72} + x^{71} + x^{70} \\
& + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{60} + x^{57} + x^{56} + x^{51} + x^{50} + x^{49} \\
& + x^{48} + x^{45} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{25} \\
& + x^{23} + x^{22} + x^{21} + x^{18}, \\
p_6(x) &= x^{156} + x^{152} + x^{144} + x^{142} + x^{140} + x^{132} + x^{128} + x^{122} + x^{114} + x^{108} \\
& + x^{106} + x^{102} + x^{100} + x^{94} + x^{92} + x^{90} + x^{88} + x^{84} + x^{80} + x^{78} + x^{76} \\
& + x^{68} + x^{58} + x^{52} + x^{48} + x^{46} + x^{40} + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} \\
& + x^{22} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{158} + x^{156} + x^{152} + x^{151} + x^{150} + x^{146} + x^{142} + x^{141} + x^{138} + x^{136} \\
& + x^{133} + x^{131} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{119} \\
& + x^{114} + x^{110} + x^{109} + x^{106} + x^{104} + x^{101} + x^{99} + x^{95} + x^{94} + x^{93} \\
& + x^{92} + x^{91} + x^{90} + x^{89} + x^{86} + x^{78} + x^{76} + x^{72} + x^{71} + x^{70} + x^{66} \\
& + x^{61} + x^{60} + x^{58} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} + x^{47} + x^{46} + x^{43} \\
& + x^{41} + x^{39} + x^{37} + x^{35} + x^{34} + x^{31} + x^{28} + x^{27} + x^{25} + x^{24} + x^{22} \\
& + x^{21} + x^{19} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^6, \\
p_{12}(x) &= x^{160} + x^{132} + x^{112} + x^{100} + x^{96} + x^{64} + x^{52} + x^{36} + x^{20} + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0]$ .

For  $\phi(M^o, 1, 1)$ :

$$\begin{aligned}
p_0(x) &= x^{147} + x^{143} + x^{139} + x^{135} + x^{132} + x^{131} + x^{129} + x^{127} + x^{125} + x^{121} \\
& + x^{119} + x^{113} + x^{112} + x^{108} + x^{104} + x^{102} + x^{100} + x^{97} + x^{96} + x^{94} \\
& + x^{93} + x^{91} + x^{87} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75} \\
& + x^{73} + x^{69} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} + x^{57} + x^{55} + x^{53} \\
& + x^{50} + x^{46} + x^{42}, \\
p_3(x) &= x^{145} + x^{141} + x^{140} + x^{133} + x^{131} + x^{129} + x^{128} + x^{127} + x^{124} + x^{121} \\
& + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} \\
& + x^{108} + x^{107} + x^{103} + x^{102} + x^{101} + x^{100} + x^{95} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{88} + x^{86} + x^{85} + x^{80} + x^{78} + x^{77} + x^{74} + x^{73} + x^{70} + x^{69} \\
& + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{50} \\
& + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{34} + x^{32} \\
& + x^{31} + x^{27} + x^{25} + x^{22}, \\
p_6(x) &= x^{145} + x^{141} + x^{140} + x^{135} + x^{133} + x^{131} + x^{129} + x^{128} + x^{125} + x^{124} \\
& + x^{123} + x^{121} + x^{119} + x^{118} + x^{116} + x^{115} + x^{113} + x^{112} + x^{103} \\
& + x^{102} + x^{101} + x^{99} + x^{97} + x^{96} + x^{95} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{75} + x^{74} + x^{70} + x^{67}
\end{aligned}$$

$$\begin{aligned}
& + x^{65} + x^{62} + x^{60} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{46} \\
& + x^{45} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} + x^{35} + x^{34} + x^{33} + x^{29} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} \\
& + x^9 + x^7 + x^4 + x^3 + x + 1, \\
p_9(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{129} + x^{127} + x^{124} + x^{123} + x^{121} + x^{120} \\
& + x^{113} + x^{111} + x^{109} + x^{108} + x^{97} + x^{95} + x^{92} + x^{91} + x^{89} + x^{88} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{45} + x^{43} + x^{41} + x^{40} + x^{29} + x^{27} + x^{25} \\
& + x^{24} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8, \\
p_{12}(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{135} + x^{133} + x^{132} + x^{125} + x^{123} \\
& + x^{120} + x^{119} + x^{116} + x^{115} + x^{112} + x^{111} + x^{109} + x^{108} + x^{105} \\
& + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{88} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{49} + x^{47} + x^{44} \\
& + x^{43} + x^{41} + x^{40} + x^{37} + x^{35} + x^{32} + x^{31} + x^{28} + x^{27} + x^{25} + x^{24} \\
& + x^{21} + x^{19} + x^{17} + x^{16} + x^{13} + x^{11} + x^8 + x^7 + x^4 + x^3 + x + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0]$ .

For  $\phi(W^o, 0, 0)$ :

$$\begin{aligned}
p_0(x) &= x^{147} + x^{145} + x^{143} + x^{141} + x^{140} + x^{139} + x^{137} + x^{131} + x^{130} + x^{129} \\
& + x^{126} + x^{125} + x^{119} + x^{117} + x^{113} + x^{111} + x^{110} + x^{109} + x^{107} \\
& + x^{104} + x^{102} + x^{101} + x^{100} + x^{99} + x^{98} + x^{97} + x^{96} + x^{94} + x^{92} \\
& + x^{91} + x^{90} + x^{89} + x^{87} + x^{85} + x^{83} + x^{81} + x^{79} + x^{78} + x^{77} + x^{73} \\
& + x^{72} + x^{70} + x^{69} + x^{68} + x^{66} + x^{62} + x^{61} + x^{60} + x^{59} + x^{58} + x^{57} \\
& + x^{53} + x^{51} + x^{50} + x^{49} + x^{48} + x^{46} + x^{44} + x^{42} + x^{41} + x^{40} + x^{37} \\
& + x^{36} + x^{35} + x^{34} + x^{32} + x^{30} + x^{29} + x^{27} + x^{25} + x^{24}, \\
p_3(x) &= x^{145} + x^{140} + x^{139} + x^{137} + x^{136} + x^{133} + x^{131} + x^{129} + x^{128} + x^{125} \\
& + x^{124} + x^{123} + x^{122} + x^{121} + x^{120} + x^{119} + x^{118} + x^{116} + x^{112} \\
& + x^{111} + x^{110} + x^{108} + x^{106} + x^{103} + x^{102} + x^{100} + x^{99} + x^{97} + x^{96} \\
& + x^{93} + x^{92} + x^{91} + x^{89} + x^{86} + x^{83} + x^{81} + x^{78} + x^{77} + x^{74} + x^{73} \\
& + x^{70} + x^{67} + x^{62} + x^{60} + x^{59} + x^{57} + x^{56} + x^{53} + x^{52} + x^{47} + x^{45} \\
& + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{34} + x^{32} + x^{27} + x^{26} + x^{24} + x^{22} \\
& + x^{21} + x^{19} + x^{17} + x^{16}, \\
p_6(x) &= x^{145} + x^{140} + x^{139} + x^{137} + x^{136} + x^{135} + x^{127} + x^{125} + x^{124} + x^{123} \\
& + x^{122} + x^{120} + x^{118} + x^{116} + x^{115} + x^{114} + x^{105} + x^{103} + x^{102} \\
& + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{92} + x^{89} + x^{85} + x^{83} + x^{82} + x^{81} \\
& + x^{79} + x^{78} + x^{77} + x^{76} + x^{73} + x^{72} + x^{71} + x^{69} + x^{68} + x^{67} + x^{66} \\
& + x^{64} + x^{63} + x^{62} + x^{61} + x^{60} + x^{58} + x^{56} + x^{55} + x^{54} + x^{53} + x^{52}
\end{aligned}$$

$$\begin{aligned}
& + x^{51} + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} + x^{40} + x^{37} + x^{35} + x^{30} + x^{26} \\
& + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} \\
& + x^{12} + x^{11} + x^8 + x^7 + x^4 + x^3 + x + 1, \\
p_9(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{129} + x^{127} + x^{124} + x^{123} + x^{121} + x^{120} \\
& + x^{113} + x^{111} + x^{109} + x^{108} + x^{97} + x^{95} + x^{92} + x^{91} + x^{89} + x^{88} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{45} + x^{43} + x^{41} + x^{40} + x^{29} + x^{27} + x^{25} \\
& + x^{24} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8, \\
p_{12}(x) &= x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{135} + x^{133} + x^{132} + x^{125} + x^{123} \\
& + x^{120} + x^{119} + x^{116} + x^{115} + x^{112} + x^{111} + x^{109} + x^{108} + x^{105} \\
& + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{88} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{49} + x^{47} + x^{44} \\
& + x^{43} + x^{41} + x^{40} + x^{37} + x^{35} + x^{32} + x^{31} + x^{28} + x^{27} + x^{25} + x^{24} \\
& + x^{21} + x^{19} + x^{17} + x^{16} + x^{13} + x^{11} + x^8 + x^7 + x^4 + x^3 + x + 1,
\end{aligned}$$

and the initial terms are  $[1, 0, 0, 0, 1, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0]$ .

For  $\phi(W^o, 0, 1)$ :

$$\begin{aligned}
p_0(x) &= x^{156} + x^{154} + x^{152} + x^{149} + x^{148} + x^{146} + x^{145} + x^{142} + x^{141} + x^{140} \\
& + x^{139} + x^{135} + x^{131} + x^{128} + x^{127} + x^{126} + x^{125} + x^{124} + x^{122} \\
& + x^{120} + x^{117} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} + x^{108} + x^{107} \\
& + x^{104} + x^{102} + x^{101} + x^{100} + x^{98} + x^{97} + x^{96} + x^{92} + x^{90} + x^{89} \\
& + x^{83} + x^{82} + x^{81} + x^{80} + x^{77} + x^{74} + x^{71} + x^{69} + x^{68} + x^{67} + x^{62} \\
& + x^{61} + x^{56} + x^{55} + x^{54} + x^{52} + x^{50} + x^{44} + x^{43} + x^{42} + x^{38} + x^{34} \\
& + x^{33}, \\
p_3(x) &= x^{154} + x^{152} + x^{150} + x^{147} + x^{146} + x^{144} + x^{143} + x^{142} + x^{137} + x^{135} \\
& + x^{132} + x^{131} + x^{129} + x^{128} + x^{127} + x^{118} + x^{117} + x^{116} + x^{115} \\
& + x^{114} + x^{113} + x^{112} + x^{111} + x^{106} + x^{104} + x^{101} + x^{100} + x^{97} + x^{94} \\
& + x^{89} + x^{87} + x^{86} + x^{85} + x^{80} + x^{78} + x^{75} + x^{74} + x^{72} + x^{71} + x^{70} \\
& + x^{66} + x^{65} + x^{64} + x^{63} + x^{62} + x^{60} + x^{57} + x^{56} + x^{51} + x^{50} + x^{49} \\
& + x^{48} + x^{45} + x^{41} + x^{40} + x^{39} + x^{38} + x^{36} + x^{34} + x^{33} + x^{30} + x^{25} \\
& + x^{23} + x^{22} + x^{21} + x^{18}, \\
p_6(x) &= x^{156} + x^{152} + x^{144} + x^{142} + x^{140} + x^{132} + x^{128} + x^{122} + x^{114} + x^{108} \\
& + x^{106} + x^{102} + x^{100} + x^{94} + x^{92} + x^{90} + x^{88} + x^{84} + x^{80} + x^{78} + x^{76} \\
& + x^{68} + x^{58} + x^{52} + x^{48} + x^{46} + x^{40} + x^{32} + x^{30} + x^{28} + x^{26} + x^{24} \\
& + x^{22} + x^{20} + x^{18} + x^{12}, \\
p_9(x) &= x^{158} + x^{156} + x^{152} + x^{151} + x^{150} + x^{146} + x^{142} + x^{141} + x^{138} + x^{136} \\
& + x^{133} + x^{131} + x^{127} + x^{125} + x^{123} + x^{122} + x^{121} + x^{120} + x^{119}
\end{aligned}$$

$$\begin{aligned}
& + x^{114} + x^{110} + x^{109} + x^{106} + x^{104} + x^{101} + x^{99} + x^{95} + x^{94} + x^{93} \\
& + x^{92} + x^{91} + x^{90} + x^{89} + x^{86} + x^{78} + x^{76} + x^{72} + x^{71} + x^{70} + x^{66} \\
& + x^{61} + x^{60} + x^{58} + x^{55} + x^{54} + x^{53} + x^{51} + x^{50} + x^{47} + x^{46} + x^{43} \\
& + x^{41} + x^{39} + x^{37} + x^{35} + x^{34} + x^{31} + x^{28} + x^{27} + x^{25} + x^{24} + x^{22} \\
& + x^{21} + x^{19} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^6, \\
p_{12}(x) &= x^{160} + x^{132} + x^{112} + x^{100} + x^{96} + x^{64} + x^{52} + x^{36} + x^{20} + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0]$ .

For  $\phi(W^o, 1, 0)$ :

$$\begin{aligned}
p_0(x) &= x^{148} + x^{142} + x^{138} + x^{137} + x^{134} + x^{132} + x^{127} + x^{125} + x^{123} + x^{122} \\
& + x^{121} + x^{120} + x^{119} + x^{118} + x^{116} + x^{112} + x^{111} + x^{109} + x^{107} \\
& + x^{106} + x^{105} + x^{103} + x^{102} + x^{101} + x^{99} + x^{97} + x^{91} + x^{89} + x^{88} \\
& + x^{87} + x^{86} + x^{85} + x^{84} + x^{81} + x^{79} + x^{76} + x^{75} + x^{74} + x^{73} + x^{71} \\
& + x^{69} + x^{68} + x^{67} + x^{65} + x^{64} + x^{61} + x^{60} + x^{59} + x^{58} + x^{56} + x^{55} \\
& + x^{54} + x^{53} + x^{52} + x^{51} + x^{50} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{42} \\
& + x^{39} + x^{36} + x^{35} + x^{33}, \\
p_3(x) &= x^{134} + x^{132} + x^{130} + x^{127} + x^{123} + x^{119} + x^{118} + x^{117} + x^{116} + x^{111} \\
& + x^{107} + x^{103} + x^{102} + x^{101} + x^{100} + x^{95} + x^{91} + x^{87} + x^{85} + x^{82} \\
& + x^{62} + x^{60} + x^{58} + x^{55} + x^{51} + x^{47} + x^{45} + x^{42} + x^{38} + x^{36} + x^{34} \\
& + x^{31} + x^{27} + x^{23} + x^{21} + x^{18}, \\
p_6(x) &= x^{136} + x^{132} + x^{128} + x^{122} + x^{120} + x^{114} + x^{104} + x^{100} + x^{98} + x^{96} \\
& + x^{92} + x^{90} + x^{88} + x^{86} + x^{84} + x^{82} + x^{76} + x^{74} + x^{72} + x^{70} + x^{66} \\
& + x^{64} + x^{58} + x^{52} + x^{50} + x^{46} + x^{38} + x^{36} + x^{34} + x^{30} + x^{26} + x^{18} \\
& + x^{16} + x^{12}, \\
p_9(x) &= x^{138} + x^{136} + x^{132} + x^{131} + x^{128} + x^{126} + x^{124} + x^{123} + x^{121} + x^{118} \\
& + x^{106} + x^{104} + x^{100} + x^{99} + x^{96} + x^{94} + x^{92} + x^{91} + x^{89} + x^{86} + x^{58} \\
& + x^{56} + x^{52} + x^{51} + x^{48} + x^{46} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} \\
& + x^{36} + x^{35} + x^{32} + x^{30} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{22} + x^{20} \\
& + x^{19} + x^{16} + x^{14} + x^{12} + x^{11} + x^9 + x^6, \\
p_{12}(x) &= x^{140} + x^{132} + x^{120} + x^{116} + x^{112} + x^{108} + x^{100} + x^{88} + x^{84} + x^{80} \\
& + x^{60} + x^{52} + x^{44} + x^{40} + x^{32} + x^{28} + x^{24} + x^{16} + x^8 + x^4 + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 0]$ .

For  $\phi(W^o, 1, 1)$ :

$$\begin{aligned}
p_0(x) &= x^{147} + x^{143} + x^{139} + x^{135} + x^{132} + x^{131} + x^{129} + x^{127} + x^{125} + x^{121} \\
& + x^{119} + x^{113} + x^{112} + x^{108} + x^{104} + x^{102} + x^{100} + x^{97} + x^{96} + x^{94} \\
& + x^{93} + x^{91} + x^{87} + x^{84} + x^{82} + x^{80} + x^{79} + x^{78} + x^{77} + x^{76} + x^{75}
\end{aligned}$$

$$\begin{aligned}
& + x^{73} + x^{69} + x^{67} + x^{66} + x^{65} + x^{64} + x^{63} + x^{59} + x^{57} + x^{55} + x^{53} \\
& + x^{50} + x^{46} + x^{42}, \\
p_3(x) = & x^{145} + x^{141} + x^{140} + x^{133} + x^{131} + x^{129} + x^{128} + x^{127} + x^{124} + x^{121} \\
& + x^{120} + x^{119} + x^{118} + x^{117} + x^{116} + x^{115} + x^{113} + x^{110} + x^{109} \\
& + x^{108} + x^{107} + x^{103} + x^{102} + x^{101} + x^{100} + x^{95} + x^{93} + x^{92} + x^{91} \\
& + x^{90} + x^{88} + x^{86} + x^{85} + x^{80} + x^{78} + x^{77} + x^{74} + x^{73} + x^{70} + x^{69} \\
& + x^{65} + x^{64} + x^{62} + x^{60} + x^{59} + x^{57} + x^{56} + x^{55} + x^{53} + x^{52} + x^{50} \\
& + x^{49} + x^{48} + x^{47} + x^{45} + x^{42} + x^{39} + x^{38} + x^{37} + x^{36} + x^{34} + x^{32} \\
& + x^{31} + x^{27} + x^{25} + x^{22}, \\
p_6(x) = & x^{145} + x^{141} + x^{140} + x^{135} + x^{133} + x^{131} + x^{129} + x^{128} + x^{125} + x^{124} \\
& + x^{123} + x^{121} + x^{119} + x^{118} + x^{116} + x^{115} + x^{113} + x^{112} + x^{103} \\
& + x^{102} + x^{101} + x^{99} + x^{97} + x^{96} + x^{95} + x^{92} + x^{91} + x^{90} + x^{89} + x^{88} \\
& + x^{86} + x^{85} + x^{83} + x^{81} + x^{80} + x^{79} + x^{78} + x^{75} + x^{74} + x^{70} + x^{67} \\
& + x^{65} + x^{62} + x^{60} + x^{59} + x^{57} + x^{56} + x^{55} + x^{54} + x^{50} + x^{49} + x^{46} \\
& + x^{45} + x^{43} + x^{42} + x^{41} + x^{40} + x^{38} + x^{35} + x^{34} + x^{33} + x^{29} + x^{27} \\
& + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} \\
& + x^9 + x^7 + x^4 + x^3 + x + 1, \\
p_9(x) = & x^{145} + x^{143} + x^{141} + x^{140} + x^{129} + x^{127} + x^{124} + x^{123} + x^{121} + x^{120} \\
& + x^{113} + x^{111} + x^{109} + x^{108} + x^{97} + x^{95} + x^{92} + x^{91} + x^{89} + x^{88} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{45} + x^{43} + x^{41} + x^{40} + x^{29} + x^{27} + x^{25} \\
& + x^{24} + x^{17} + x^{15} + x^{12} + x^{11} + x^9 + x^8, \\
p_{12}(x) = & x^{145} + x^{143} + x^{141} + x^{140} + x^{137} + x^{135} + x^{133} + x^{132} + x^{125} + x^{123} \\
& + x^{120} + x^{119} + x^{116} + x^{115} + x^{112} + x^{111} + x^{109} + x^{108} + x^{105} \\
& + x^{103} + x^{101} + x^{100} + x^{93} + x^{91} + x^{88} + x^{87} + x^{84} + x^{83} + x^{81} + x^{80} \\
& + x^{65} + x^{63} + x^{61} + x^{60} + x^{57} + x^{55} + x^{53} + x^{52} + x^{49} + x^{47} + x^{44} \\
& + x^{43} + x^{41} + x^{40} + x^{37} + x^{35} + x^{32} + x^{31} + x^{28} + x^{27} + x^{25} + x^{24} \\
& + x^{21} + x^{19} + x^{17} + x^{16} + x^{13} + x^{11} + x^8 + x^7 + x^4 + x^3 + x + 1,
\end{aligned}$$

and the initial terms are  $[0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0]$ .

Below is the transition function and output function of an 2-automaton that generates  $T = M_{0,0}^0$ :

Transition function  $(n, j) \mapsto \delta(n, j)$  ( $\Lambda(n) := [\delta(n, 0), \delta(n, 1)]$ ):

| $n$ | $\Lambda(n)$ | $n$  | $\Lambda(n)$ | $n$  | $\Lambda(n)$ | $n$  | $\Lambda(n)$ |
|-----|--------------|------|--------------|------|--------------|------|--------------|
| 0   | [1, 2]       | 2299 | [3707, 3708] | 4598 | [6184, 3204] | 6897 | [7930, 7931] |
| 1   | [3, 4]       | 2300 | [3709, 3710] | 4599 | [6185, 5842] | 6898 | [7932, 1751] |
| 2   | [5, 6]       | 2301 | [3711, 3712] | 4600 | [109, 6186]  | 6899 | [7769, 2468] |
| 3   | [7, 8]       | 2302 | [3713, 2878] | 4601 | [6187, 3077] | 6900 | [5570, 4617] |

|    |          |      |              |      |              |      |              |
|----|----------|------|--------------|------|--------------|------|--------------|
| 4  | [9, 10]  | 2303 | [3714, 3715] | 4602 | [300, 989]   | 6901 | [4658, 2534] |
| 5  | [11, 12] | 2304 | [1215, 2896] | 4603 | [3955, 2722] | 6902 | [2571, 862]  |
| 6  | [13, 14] | 2305 | [350, 3716]  | 4604 | [6188, 2915] | 6903 | [7933, 5353] |
| 7  | [15, 16] | 2306 | [3717, 3718] | 4605 | [3139, 3673] | 6904 | [7934, 4652] |
| 8  | [17, 18] | 2307 | [1404, 3719] | 4606 | [3141, 6189] | 6905 | [146, 2085]  |
| 9  | [19, 20] | 2308 | [3720, 1270] | 4607 | [6190, 6191] | 6906 | [7935, 7704] |
| 10 | [21, 22] | 2309 | [3721, 3722] | 4608 | [6192, 6193] | 6907 | [7715, 5568] |
| 11 | [23, 24] | 2310 | [945, 292]   | 4609 | [359, 1514]  | 6908 | [7936, 5258] |
| 12 | [25, 26] | 2311 | [3723, 75]   | 4610 | [248, 3936]  | 6909 | [7937, 7938] |
| 13 | [27, 28] | 2312 | [3724, 3725] | 4611 | [6194, 6195] | 6910 | [660, 2612]  |
| 14 | [29, 30] | 2313 | [1515, 3726] | 4612 | [6196, 6197] | 6911 | [7939, 7940] |
| 15 | [31, 32] | 2314 | [3083, 3727] | 4613 | [4153, 6198] | 6912 | [5029, 5634] |
| 16 | [33, 34] | 2315 | [3728, 3729] | 4614 | [6199, 6200] | 6913 | [4863, 1621] |
| 17 | [35, 36] | 2316 | [3730, 3731] | 4615 | [6201, 3281] | 6914 | [7536, 576]  |
| 18 | [37, 38] | 2317 | [3732, 1598] | 4616 | [6202, 1497] | 6915 | [7941, 7942] |
| 19 | [39, 40] | 2318 | [1472, 3733] | 4617 | [6203, 2919] | 6916 | [5739, 2481] |
| 20 | [41, 42] | 2319 | [3734, 3015] | 4618 | [6204, 3723] | 6917 | [7943, 7694] |
| 21 | [43, 44] | 2320 | [3735, 3736] | 4619 | [4110, 1099] | 6918 | [4337, 5360] |
| 22 | [45, 46] | 2321 | [367, 1437]  | 4620 | [6205, 6206] | 6919 | [51, 7944]   |
| 23 | [47, 48] | 2322 | [3737, 1229] | 4621 | [6207, 1426] | 6920 | [2155, 4864] |
| 24 | [49, 50] | 2323 | [3738, 3739] | 4622 | [3145, 6208] | 6921 | [7945, 7946] |
| 25 | [51, 52] | 2324 | [3740, 3533] | 4623 | [6209, 6193] | 6922 | [7947, 7523] |
| 26 | [53, 54] | 2325 | [3617, 3741] | 4624 | [25, 979]    | 6923 | [7205, 7476] |
| 27 | [1, 55]  | 2326 | [3742, 3619] | 4625 | [6210, 6211] | 6924 | [7948, 527]  |
| 28 | [56, 57] | 2327 | [3743, 3744] | 4626 | [2855, 6002] | 6925 | [7949, 2567] |
| 29 | [58, 59] | 2328 | [3745, 103]  | 4627 | [938, 6016]  | 6926 | [5106, 7356] |
| 30 | [60, 61] | 2329 | [3746, 3747] | 4628 | [3289, 1147] | 6927 | [7950, 7951] |
| 31 | [62, 63] | 2330 | [83, 3748]   | 4629 | [6212, 343]  | 6928 | [743, 159]   |
| 32 | [64, 65] | 2331 | [3749, 2889] | 4630 | [6213, 4001] | 6929 | [7952, 206]  |
| 33 | [66, 67] | 2332 | [3750, 3751] | 4631 | [23, 3748]   | 6930 | [7953, 7803] |
| 34 | [68, 69] | 2333 | [3752, 3753] | 4632 | [6214, 2760] | 6931 | [7954, 5212] |
| 35 | [70, 71] | 2334 | [3754, 3755] | 4633 | [3128, 3883] | 6932 | [7955, 631]  |
| 36 | [72, 73] | 2335 | [1272, 3055] | 4634 | [1199, 6023] | 6933 | [7590, 4769] |
| 37 | [74, 75] | 2336 | [3756, 1400] | 4635 | [6215, 6216] | 6934 | [7956, 4934] |
| 38 | [76, 77] | 2337 | [3757, 3758] | 4636 | [6150, 6163] | 6935 | [4490, 5316] |
| 39 | [78, 79] | 2338 | [1394, 3694] | 4637 | [6217, 6218] | 6936 | [7957, 737]  |
| 40 | [80, 81] | 2339 | [1005, 3759] | 4638 | [6219, 6220] | 6937 | [7856, 7916] |
| 41 | [82, 83] | 2340 | [1252, 2904] | 4639 | [6221, 6222] | 6938 | [7958, 5308] |
| 42 | [84, 85] | 2341 | [436, 3760]  | 4640 | [6223, 6224] | 6939 | [5262, 2459] |
| 43 | [86, 87] | 2342 | [3761, 1301] | 4641 | [4044, 6225] | 6940 | [7959, 5661] |
| 44 | [88, 89] | 2343 | [3762, 3763] | 4642 | [6226, 6227] | 6941 | [7960, 717]  |
| 45 | [90, 91] | 2344 | [3380, 1189] | 4643 | [2949, 884]  | 6942 | [7774, 4447] |
| 46 | [92, 93] | 2345 | [3764, 3765] | 4644 | [6228, 1021] | 6943 | [7961, 2507] |
| 47 | [94, 95] | 2346 | [3766, 3767] | 4645 | [6229, 294]  | 6944 | [7962, 5505] |

|    |            |      |              |      |              |      |              |
|----|------------|------|--------------|------|--------------|------|--------------|
| 48 | [96, 97]   | 2347 | [3768, 3769] | 4646 | [6230, 5796] | 6945 | [7963, 7964] |
| 49 | [98, 99]   | 2348 | [3770, 3771] | 4647 | [1214, 2895] | 6946 | [7965, 7237] |
| 50 | [100, 101] | 2349 | [3772, 3409] | 4648 | [3645, 6231] | 6947 | [7966, 1794] |
| 51 | [102, 103] | 2350 | [22, 3773]   | 4649 | [6232, 6233] | 6948 | [762, 7967]  |
| 52 | [104, 105] | 2351 | [1191, 3774] | 4650 | [6234, 6235] | 6949 | [7968, 4274] |
| 53 | [106, 107] | 2352 | [3775, 3262] | 4651 | [5895, 278]  | 6950 | [2163, 7604] |
| 54 | [108, 109] | 2353 | [3776, 3319] | 4652 | [6236, 395]  | 6951 | [7969, 5221] |
| 55 | [110, 111] | 2354 | [452, 282]   | 4653 | [6237, 6238] | 6952 | [7970, 4458] |
| 56 | [112, 113] | 2355 | [3777, 1524] | 4654 | [4173, 6239] | 6953 | [1694, 2000] |
| 57 | [114, 115] | 2356 | [944, 3778]  | 4655 | [6240, 1247] | 6954 | [5306, 4907] |
| 58 | [116, 117] | 2357 | [3779, 3780] | 4656 | [3238, 6241] | 6955 | [7971, 2303] |
| 59 | [118, 119] | 2358 | [3781, 3782] | 4657 | [6242, 2909] | 6956 | [5709, 4505] |
| 60 | [120, 121] | 2359 | [2865, 3783] | 4658 | [6243, 1057] | 6957 | [1935, 7605] |
| 61 | [122, 123] | 2360 | [3784, 2795] | 4659 | [2836, 3294] | 6958 | [517, 7204]  |
| 62 | [124, 125] | 2361 | [1505, 3785] | 4660 | [6244, 6245] | 6959 | [5481, 7917] |
| 63 | [126, 127] | 2362 | [3786, 3787] | 4661 | [6246, 882]  | 6960 | [4853, 7972] |
| 64 | [128, 129] | 2363 | [353, 3788]  | 4662 | [6247, 3172] | 6961 | [5268, 7765] |
| 65 | [130, 131] | 2364 | [3376, 3789] | 4663 | [6248, 6249] | 6962 | [7973, 7974] |
| 66 | [32, 132]  | 2365 | [3790, 3791] | 4664 | [6250, 2736] | 6963 | [7975, 7447] |
| 67 | [133, 134] | 2366 | [976, 3792]  | 4665 | [6251, 6252] | 6964 | [7454, 7976] |
| 68 | [135, 136] | 2367 | [999, 2879]  | 4666 | [3208, 6253] | 6965 | [7977, 2569] |
| 69 | [137, 138] | 2368 | [3793, 1343] | 4667 | [6254, 994]  | 6966 | [7978, 7979] |
| 70 | [139, 140] | 2369 | [3794, 3795] | 4668 | [3751, 1439] | 6967 | [7980, 477]  |
| 71 | [141, 142] | 2370 | [2775, 3796] | 4669 | [6255, 3548] | 6968 | [5412, 4540] |
| 72 | [143, 144] | 2371 | [2933, 3797] | 4670 | [6256, 3935] | 6969 | [7981, 2005] |
| 73 | [73, 73]   | 2372 | [3798, 3799] | 4671 | [449, 6257]  | 6970 | [7982, 5575] |
| 74 | [145, 146] | 2373 | [1163, 370]  | 4672 | [6258, 6259] | 6971 | [1758, 5070] |
| 75 | [147, 148] | 2374 | [3225, 3800] | 4673 | [6260, 3705] | 6972 | [5258, 2319] |
| 76 | [149, 150] | 2375 | [3801, 3802] | 4674 | [6261, 3578] | 6973 | [1941, 7983] |
| 77 | [151, 152] | 2376 | [334, 2817]  | 4675 | [6262, 315]  | 6974 | [2395, 7425] |
| 78 | [153, 154] | 2377 | [3803, 3804] | 4676 | [3129, 6263] | 6975 | [7984, 4767] |
| 79 | [155, 156] | 2378 | [3805, 3806] | 4677 | [6264, 5976] | 6976 | [5218, 7985] |
| 80 | [157, 158] | 2379 | [3807, 2910] | 4678 | [26, 980]    | 6977 | [7986, 634]  |
| 81 | [159, 160] | 2380 | [3808, 3809] | 4679 | [2712, 1243] | 6978 | [2376, 4601] |
| 82 | [161, 49]  | 2381 | [2779, 3810] | 4680 | [3975, 6265] | 6979 | [7987, 7988] |
| 83 | [162, 163] | 2382 | [3811, 1530] | 4681 | [2819, 6117] | 6980 | [2551, 7925] |
| 84 | [164, 165] | 2383 | [3812, 3813] | 4682 | [279, 4180]  | 6981 | [1642, 4233] |
| 85 | [166, 167] | 2384 | [2783, 1490] | 4683 | [6266, 4140] | 6982 | [7989, 166]  |
| 86 | [168, 169] | 2385 | [3029, 245]  | 4684 | [5854, 3213] | 6983 | [5572, 5697] |
| 87 | [170, 171] | 2386 | [3814, 3815] | 4685 | [2951, 1198] | 6984 | [7990, 5588] |
| 88 | [172, 173] | 2387 | [3816, 3082] | 4686 | [6267, 6268] | 6985 | [7991, 7465] |
| 89 | [174, 175] | 2388 | [3817, 3818] | 4687 | [3710, 323]  | 6986 | [7992, 5550] |
| 90 | [176, 177] | 2389 | [2721, 3819] | 4688 | [6269, 6270] | 6987 | [1619, 752]  |
| 91 | [178, 179] | 2390 | [3820, 2959] | 4689 | [6271, 6235] | 6988 | [1963, 1963] |

|     |            |      |              |      |              |      |              |
|-----|------------|------|--------------|------|--------------|------|--------------|
| 92  | [180, 181] | 2391 | [273, 3821]  | 4690 | [6272, 6273] | 6989 | [7993, 7536] |
| 93  | [182, 183] | 2392 | [3822, 3823] | 4691 | [6274, 6275] | 6990 | [7994, 2110] |
| 94  | [184, 185] | 2393 | [1451, 3122] | 4692 | [4022, 6276] | 6991 | [2699, 7995] |
| 95  | [186, 13]  | 2394 | [2860, 956]  | 4693 | [6277, 1156] | 6992 | [7470, 2242] |
| 96  | [187, 188] | 2395 | [3824, 1480] | 4694 | [6278, 6279] | 6993 | [7996, 4190] |
| 97  | [189, 190] | 2396 | [3825, 3826] | 4695 | [3290, 3324] | 6994 | [5018, 7337] |
| 98  | [191, 136] | 2397 | [3827, 3828] | 4696 | [6280, 6281] | 6995 | [7997, 186]  |
| 99  | [192, 193] | 2398 | [3829, 3687] | 4697 | [6282, 6283] | 6996 | [4398, 7998] |
| 100 | [194, 195] | 2399 | [3830, 3120] | 4698 | [6121, 1264] | 6997 | [586, 7999]  |
| 101 | [196, 197] | 2400 | [3831, 1233] | 4699 | [6284, 4007] | 6998 | [8000, 8001] |
| 102 | [198, 199] | 2401 | [3832, 1401] | 4700 | [6285, 6233] | 6999 | [2089, 1822] |
| 103 | [200, 201] | 2402 | [3833, 3834] | 4701 | [3224, 6286] | 7000 | [8002, 7964] |
| 104 | [202, 203] | 2403 | [3835, 243]  | 4702 | [6287, 3340] | 7001 | [8003, 1745] |
| 105 | [204, 205] | 2404 | [1315, 2983] | 4703 | [6288, 3518] | 7002 | [8004, 8005] |
| 106 | [206, 207] | 2405 | [3836, 3513] | 4704 | [1042, 6289] | 7003 | [8006, 4780] |
| 107 | [208, 209] | 2406 | [3837, 3838] | 4705 | [6290, 4125] | 7004 | [7238, 5036] |
| 108 | [168, 210] | 2407 | [3839, 3417] | 4706 | [6291, 6292] | 7005 | [533, 7886]  |
| 109 | [211, 212] | 2408 | [3840, 3841] | 4707 | [6293, 1149] | 7006 | [7248, 4679] |
| 110 | [213, 214] | 2409 | [3842, 3843] | 4708 | [6294, 6295] | 7007 | [1714, 493]  |
| 111 | [215, 216] | 2410 | [1259, 1075] | 4709 | [3560, 6296] | 7008 | [1766, 4400] |
| 112 | [217, 218] | 2411 | [3844, 410]  | 4710 | [5806, 6297] | 7009 | [8007, 1916] |
| 113 | [219, 220] | 2412 | [3845, 3846] | 4711 | [6298, 6299] | 7010 | [7609, 5372] |
| 114 | [221, 210] | 2413 | [3847, 3848] | 4712 | [3597, 6300] | 7011 | [8008, 8009] |
| 115 | [222, 223] | 2414 | [1237, 1239] | 4713 | [4, 6301]    | 7012 | [2645, 7498] |
| 116 | [224, 225] | 2415 | [3849, 3565] | 4714 | [6302, 3705] | 7013 | [704, 814]   |
| 117 | [226, 227] | 2416 | [3850, 3851] | 4715 | [6303, 6304] | 7014 | [813, 5462]  |
| 118 | [228, 229] | 2417 | [3852, 3853] | 4716 | [1219, 6305] | 7015 | [8010, 5760] |
| 119 | [230, 231] | 2418 | [123, 1212]  | 4717 | [6306, 1133] | 7016 | [4459, 7501] |
| 120 | [232, 233] | 2419 | [3088, 937]  | 4718 | [6307, 1237] | 7017 | [8011, 4728] |
| 121 | [234, 235] | 2420 | [3854, 3350] | 4719 | [6308, 3244] | 7018 | [8012, 8013] |
| 122 | [236, 237] | 2421 | [3855, 3856] | 4720 | [4088, 1253] | 7019 | [4399, 5049] |
| 123 | [238, 239] | 2422 | [3857, 1333] | 4721 | [6309, 6310] | 7020 | [4873, 8014] |
| 124 | [240, 241] | 2423 | [3858, 3859] | 4722 | [6311, 6312] | 7021 | [5604, 4859] |
| 125 | [242, 243] | 2424 | [1395, 3860] | 4723 | [3282, 6313] | 7022 | [8015, 4501] |
| 126 | [244, 245] | 2425 | [2939, 3861] | 4724 | [4025, 6314] | 7023 | [8016, 7479] |
| 127 | [246, 247] | 2426 | [3862, 3863] | 4725 | [3572, 5863] | 7024 | [8017, 7186] |
| 128 | [248, 249] | 2427 | [1073, 3246] | 4726 | [6315, 1499] | 7025 | [4556, 5544] |
| 129 | [250, 251] | 2428 | [3864, 273]  | 4727 | [1184, 974]  | 7026 | [4484, 8018] |
| 130 | [252, 253] | 2429 | [1320, 3865] | 4728 | [6316, 6317] | 7027 | [7948, 4495] |
| 131 | [254, 255] | 2430 | [3827, 3866] | 4729 | [3517, 6318] | 7028 | [4690, 8019] |
| 132 | [256, 257] | 2431 | [3867, 1442] | 4730 | [1593, 3173] | 7029 | [8020, 7613] |
| 133 | [258, 259] | 2432 | [3868, 3869] | 4731 | [6319, 6320] | 7030 | [2129, 8021] |
| 134 | [260, 261] | 2433 | [3870, 1040] | 4732 | [3176, 459]  | 7031 | [4275, 1814] |
| 135 | [262, 263] | 2434 | [3871, 3872] | 4733 | [3029, 1059] | 7032 | [795, 5409]  |

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| 136 | [264, 265] | 2435 | [3873, 3874] | 4734 | [2807, 3980] | 7033 | [157, 7908]  |
| 137 | [266, 267] | 2436 | [989, 2710]  | 4735 | [6321, 1369] | 7034 | [2049, 2384] |
| 138 | [268, 269] | 2437 | [3875, 2971] | 4736 | [3346, 6322] | 7035 | [8022, 4594] |
| 139 | [270, 271] | 2438 | [3876, 3400] | 4737 | [6323, 1502] | 7036 | [7325, 2]    |
| 140 | [272, 273] | 2439 | [3167, 3877] | 4738 | [3113, 2716] | 7037 | [7725, 8023] |
| 141 | [274, 275] | 2440 | [1538, 3878] | 4739 | [6324, 6325] | 7038 | [2468, 759]  |
| 142 | [276, 277] | 2441 | [3879, 3880] | 4740 | [6326, 3500] | 7039 | [2070, 2244] |
| 143 | [278, 279] | 2442 | [3881, 3882] | 4741 | [6327, 6328] | 7040 | [8024, 8025] |
| 144 | [280, 281] | 2443 | [3883, 3228] | 4742 | [6329, 6330] | 7041 | [5296, 2605] |
| 145 | [27, 282]  | 2444 | [3884, 3885] | 4743 | [6331, 6332] | 7042 | [5628, 7795] |
| 146 | [283, 284] | 2445 | [455, 3886]  | 4744 | [6333, 6032] | 7043 | [8026, 4916] |
| 147 | [285, 286] | 2446 | [457, 3211]  | 4745 | [6334, 3141] | 7044 | [7626, 46]   |
| 148 | [287, 288] | 2447 | [3887, 3888] | 4746 | [4085, 6335] | 7045 | [8027, 7337] |
| 149 | [289, 290] | 2448 | [3889, 1087] | 4747 | [2877, 6336] | 7046 | [4630, 794]  |
| 150 | [291, 292] | 2449 | [3864, 3890] | 4748 | [6337, 6203] | 7047 | [4647, 5307] |
| 151 | [293, 294] | 2450 | [3891, 3222] | 4749 | [6338, 3425] | 7048 | [1679, 5399] |
| 152 | [295, 296] | 2451 | [1166, 2998] | 4750 | [1143, 6339] | 7049 | [5117, 8028] |
| 153 | [297, 298] | 2452 | [3892, 982]  | 4751 | [5995, 1185] | 7050 | [4527, 4288] |
| 154 | [299, 300] | 2453 | [3893, 3894] | 4752 | [6144, 6340] | 7051 | [8029, 800]  |
| 155 | [301, 302] | 2454 | [3023, 3422] | 4753 | [6341, 5887] | 7052 | [58, 8030]   |
| 156 | [303, 304] | 2455 | [3895, 3896] | 4754 | [6342, 6343] | 7053 | [851, 5275]  |
| 157 | [305, 306] | 2456 | [2734, 3897] | 4755 | [1164, 371]  | 7054 | [794, 7727]  |
| 158 | [307, 308] | 2457 | [3898, 1112] | 4756 | [4142, 6344] | 7055 | [7777, 7528] |
| 159 | [309, 310] | 2458 | [3899, 3210] | 4757 | [3941, 1540] | 7056 | [8031, 2327] |
| 160 | [311, 312] | 2459 | [3900, 3545] | 4758 | [6345, 3455] | 7057 | [7492, 1639] |
| 161 | [313, 100] | 2460 | [3901, 3902] | 4759 | [6346, 81]   | 7058 | [2555, 4739] |
| 162 | [314, 315] | 2461 | [3903, 3904] | 4760 | [2854, 2837] | 7059 | [8032, 2462] |
| 163 | [316, 317] | 2462 | [3905, 1543] | 4761 | [6347, 338]  | 7060 | [4262, 8033] |
| 164 | [318, 319] | 2463 | [3906, 1482] | 4762 | [314, 6348]  | 7061 | [5225, 8034] |
| 165 | [320, 321] | 2464 | [240, 3907]  | 4763 | [6349, 6350] | 7062 | [5435, 8035] |
| 166 | [322, 323] | 2465 | [3908, 3909] | 4764 | [6351, 3906] | 7063 | [1687, 7854] |
| 167 | [324, 325] | 2466 | [3910, 3911] | 4765 | [3707, 6352] | 7064 | [4333, 7653] |
| 168 | [326, 327] | 2467 | [1016, 3912] | 4766 | [1023, 2819] | 7065 | [8036, 5319] |
| 169 | [328, 329] | 2468 | [3913, 2811] | 4767 | [6353, 276]  | 7066 | [5609, 5358] |
| 170 | [330, 331] | 2469 | [3914, 3915] | 4768 | [5949, 4038] | 7067 | [2557, 8037] |
| 171 | [332, 333] | 2470 | [3916, 3288] | 4769 | [6354, 6355] | 7068 | [8038, 8039] |
| 172 | [334, 335] | 2471 | [3917, 3918] | 4770 | [6356, 6357] | 7069 | [4974, 630]  |
| 173 | [336, 337] | 2472 | [3919, 3618] | 4771 | [30, 1557]   | 7070 | [7446, 7379] |
| 174 | [338, 339] | 2473 | [3920, 3921] | 4772 | [6358, 3323] | 7071 | [7485, 7555] |
| 175 | [340, 341] | 2474 | [1403, 1368] | 4773 | [6359, 6043] | 7072 | [8040, 8041] |
| 176 | [342, 343] | 2475 | [3908, 3922] | 4774 | [3590, 6344] | 7073 | [727, 5130]  |
| 177 | [344, 345] | 2476 | [3416, 3923] | 4775 | [6360, 5824] | 7074 | [8042, 7709] |
| 178 | [346, 347] | 2477 | [3924, 3523] | 4776 | [6361, 3299] | 7075 | [8043, 4896] |
| 179 | [348, 349] | 2478 | [3925, 3926] | 4777 | [6362, 6363] | 7076 | [4809, 678]  |

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| 180 | [350, 351] | 2479 | [3927, 3928] | 4778 | [6364, 6365] | 7077 | [8044, 8045] |
| 181 | [352, 353] | 2480 | [3929, 3930] | 4779 | [3108, 1002] | 7078 | [8046, 7263] |
| 182 | [354, 355] | 2481 | [3931, 3932] | 4780 | [3460, 6366] | 7079 | [8047, 2657] |
| 183 | [356, 357] | 2482 | [3933, 2780] | 4781 | [6367, 3716] | 7080 | [2290, 8048] |
| 184 | [358, 359] | 2483 | [3934, 1289] | 4782 | [1058, 6368] | 7081 | [8049, 4242] |
| 185 | [360, 361] | 2484 | [3935, 1019] | 4783 | [6369, 6370] | 7082 | [8050, 4850] |
| 186 | [362, 363] | 2485 | [15, 3257]   | 4784 | [6371, 6372] | 7083 | [8051, 7728] |
| 187 | [364, 365] | 2486 | [3936, 3937] | 4785 | [3482, 406]  | 7084 | [4856, 2165] |
| 188 | [366, 367] | 2487 | [3938, 2739] | 4786 | [2998, 5853] | 7085 | [8052, 2316] |
| 189 | [368, 369] | 2488 | [3939, 3940] | 4787 | [6373, 6374] | 7086 | [8053, 4657] |
| 190 | [370, 371] | 2489 | [3785, 3394] | 4788 | [6375, 4105] | 7087 | [1888, 556]  |
| 191 | [372, 373] | 2490 | [3941, 3942] | 4789 | [3902, 5915] | 7088 | [4241, 755]  |
| 192 | [374, 375] | 2491 | [3943, 3944] | 4790 | [2950, 1017] | 7089 | [8054, 5491] |
| 193 | [376, 377] | 2492 | [3229, 3945] | 4791 | [1197, 2952] | 7090 | [8055, 2357] |
| 194 | [378, 379] | 2493 | [3946, 3947] | 4792 | [6376, 3107] | 7091 | [1716, 7657] |
| 195 | [380, 381] | 2494 | [3948, 268]  | 4793 | [6377, 3859] | 7092 | [8056, 8057] |
| 196 | [382, 383] | 2495 | [3949, 3950] | 4794 | [6378, 6304] | 7093 | [4563, 8058] |
| 197 | [384, 385] | 2496 | [3951, 3930] | 4795 | [1411, 6366] | 7094 | [7679, 8059] |
| 198 | [386, 4]   | 2497 | [3952, 3853] | 4796 | [6379, 3989] | 7095 | [8060, 4844] |
| 199 | [387, 388] | 2498 | [3953, 3954] | 4797 | [6380, 1087] | 7096 | [5093, 8061] |
| 200 | [389, 390] | 2499 | [1356, 96]   | 4798 | [6381, 4096] | 7097 | [8062, 7906] |
| 201 | [391, 392] | 2500 | [3955, 3956] | 4799 | [6382, 5928] | 7098 | [722, 8063]  |
| 202 | [393, 394] | 2501 | [3957, 3958] | 4800 | [6064, 6383] | 7099 | [8064, 7938] |
| 203 | [395, 396] | 2502 | [3959, 3960] | 4801 | [1408, 6384] | 7100 | [693, 605]   |
| 204 | [397, 398] | 2503 | [3961, 3962] | 4802 | [6385, 3577] | 7101 | [4468, 2459] |
| 205 | [399, 400] | 2504 | [3963, 3527] | 4803 | [3609, 6386] | 7102 | [5269, 1695] |
| 206 | [401, 402] | 2505 | [3964, 3965] | 4804 | [2712, 6387] | 7103 | [7246, 7210] |
| 207 | [403, 404] | 2506 | [3966, 3967] | 4805 | [2774, 6388] | 7104 | [5368, 4812] |
| 208 | [405, 406] | 2507 | [3968, 1469] | 4806 | [6389, 2792] | 7105 | [4312, 8065] |
| 209 | [406, 407] | 2508 | [3969, 2733] | 4807 | [3092, 6390] | 7106 | [5181, 858]  |
| 210 | [408, 409] | 2509 | [2829, 411]  | 4808 | [5925, 3071] | 7107 | [8066, 690]  |
| 211 | [305, 410] | 2510 | [3970, 3971] | 4809 | [3294, 6391] | 7108 | [1825, 8067] |
| 212 | [411, 412] | 2511 | [3972, 1466] | 4810 | [6392, 2730] | 7109 | [8068, 7650] |
| 213 | [413, 414] | 2512 | [1123, 2883] | 4811 | [6393, 3235] | 7110 | [5541, 1979] |
| 214 | [415, 416] | 2513 | [3973, 440]  | 4812 | [6394, 6395] | 7111 | [5215, 4700] |
| 215 | [417, 418] | 2514 | [3974, 1241] | 4813 | [98, 6396]   | 7112 | [8069, 7578] |
| 216 | [419, 420] | 2515 | [3975, 2919] | 4814 | [6397, 1065] | 7113 | [7551, 864]  |
| 217 | [421, 422] | 2516 | [263, 3976]  | 4815 | [6398, 3644] | 7114 | [1747, 7306] |
| 218 | [423, 424] | 2517 | [3977, 432]  | 4816 | [6399, 6400] | 7115 | [8070, 2684] |
| 219 | [425, 426] | 2518 | [1573, 3978] | 4817 | [6401, 6402] | 7116 | [7832, 7260] |
| 220 | [427, 428] | 2519 | [3979, 3980] | 4818 | [6403, 3223] | 7117 | [2595, 2416] |
| 221 | [429, 430] | 2520 | [3770, 3981] | 4819 | [6404, 3856] | 7118 | [7342, 5364] |
| 222 | [431, 432] | 2521 | [3982, 3983] | 4820 | [6405, 2887] | 7119 | [8071, 5348] |
| 223 | [433, 434] | 2522 | [3984, 1224] | 4821 | [904, 3341]  | 7120 | [8072, 4858] |

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| 224 | [435, 436] | 2523 | [256, 3985]  | 4822 | [6406, 3689] | 7121 | [8073, 7297] |
| 225 | [437, 438] | 2524 | [3986, 3402] | 4823 | [6088, 6407] | 7122 | [8074, 5040] |
| 226 | [439, 440] | 2525 | [3987, 991]  | 4824 | [6408, 2843] | 7123 | [4324, 4623] |
| 227 | [441, 442] | 2526 | [249, 3937]  | 4825 | [6409, 3766] | 7124 | [2013, 1972] |
| 228 | [443, 444] | 2527 | [3988, 3989] | 4826 | [6410, 6411] | 7125 | [8075, 7406] |
| 229 | [445, 446] | 2528 | [3437, 3990] | 4827 | [1577, 6129] | 7126 | [1946, 8076] |
| 230 | [447, 448] | 2529 | [3991, 3992] | 4828 | [3710, 1478] | 7127 | [8077, 1803] |
| 231 | [449, 450] | 2530 | [3993, 3994] | 4829 | [359, 6412]  | 7128 | [8078, 4270] |
| 232 | [451, 452] | 2531 | [3995, 3996] | 4830 | [6413, 3763] | 7129 | [2385, 1737] |
| 233 | [66, 453]  | 2532 | [3997, 3998] | 4831 | [3434, 6414] | 7130 | [8079, 4836] |
| 234 | [454, 455] | 2533 | [3999, 3460] | 4832 | [6415, 3988] | 7131 | [738, 1879]  |
| 235 | [456, 457] | 2534 | [4000, 4001] | 4833 | [3752, 6416] | 7132 | [7608, 2084] |
| 236 | [458, 459] | 2535 | [1057, 4002] | 4834 | [346, 6150]  | 7133 | [2128, 5546] |
| 237 | [460, 461] | 2536 | [459, 2982]  | 4835 | [6417, 3764] | 7134 | [4499, 5584] |
| 238 | [462, 463] | 2537 | [4003, 4004] | 4836 | [6418, 6419] | 7135 | [5314, 8080] |
| 239 | [71, 464]  | 2538 | [4005, 370]  | 4837 | [2837, 6391] | 7136 | [5730, 606]  |
| 240 | [465, 466] | 2539 | [4006, 4007] | 4838 | [4040, 6420] | 7137 | [8081, 7385] |
| 241 | [467, 468] | 2540 | [4008, 4009] | 4839 | [6421, 5819] | 7138 | [708, 8082]  |
| 242 | [469, 470] | 2541 | [22, 4010]   | 4840 | [6422, 3323] | 7139 | [7381, 8083] |
| 243 | [471, 472] | 2542 | [4011, 3924] | 4841 | [5863, 6423] | 7140 | [5601, 125]  |
| 244 | [473, 474] | 2543 | [4012, 4013] | 4842 | [6246, 1330] | 7141 | [8084, 7748] |
| 245 | [475, 476] | 2544 | [4014, 4015] | 4843 | [3974, 5971] | 7142 | [8085, 4217] |
| 246 | [477, 478] | 2545 | [292, 4016]  | 4844 | [6424, 6425] | 7143 | [5403, 4623] |
| 247 | [479, 189] | 2546 | [1405, 4017] | 4845 | [6426, 6427] | 7144 | [8086, 4333] |
| 248 | [480, 481] | 2547 | [4018, 4019] | 4846 | [6401, 1108] | 7145 | [790, 4795]  |
| 249 | [482, 483] | 2548 | [4020, 1137] | 4847 | [5816, 3040] | 7146 | [8087, 7567] |
| 250 | [484, 485] | 2549 | [4021, 3253] | 4848 | [3319, 3699] | 7147 | [8088, 221]  |
| 251 | [486, 487] | 2550 | [4022, 4023] | 4849 | [4060, 1451] | 7148 | [5273, 2332] |
| 252 | [488, 489] | 2551 | [4024, 3649] | 4850 | [6428, 6054] | 7149 | [7919, 1767] |
| 253 | [490, 491] | 2552 | [4025, 3451] | 4851 | [6429, 340]  | 7150 | [495, 5285]  |
| 254 | [492, 55]  | 2553 | [2768, 932]  | 4852 | [6430, 3615] | 7151 | [36, 239]    |
| 255 | [493, 494] | 2554 | [1461, 4026] | 4853 | [949, 3792]  | 7152 | [170, 4694]  |
| 256 | [495, 496] | 2555 | [4027, 3637] | 4854 | [6431, 2765] | 7153 | [7991, 7685] |
| 257 | [497, 483] | 2556 | [3043, 959]  | 4855 | [413, 1420]  | 7154 | [8089, 7240] |
| 258 | [498, 499] | 2557 | [3902, 1234] | 4856 | [6432, 3888] | 7155 | [4513, 2306] |
| 259 | [500, 501] | 2558 | [4028, 3926] | 4857 | [6433, 6434] | 7156 | [8090, 4218] |
| 260 | [502, 503] | 2559 | [4029, 1459] | 4858 | [6410, 6249] | 7157 | [4821, 5716] |
| 261 | [504, 505] | 2560 | [3736, 3241] | 4859 | [6435, 18]   | 7158 | [2505, 2621] |
| 262 | [506, 507] | 2561 | [4030, 3064] | 4860 | [3049, 6436] | 7159 | [5410, 7579] |
| 263 | [508, 509] | 2562 | [4031, 4032] | 4861 | [6437, 4144] | 7160 | [557, 8091]  |
| 264 | [510, 511] | 2563 | [4033, 4034] | 4862 | [6438, 3339] | 7161 | [8092, 7263] |
| 265 | [512, 513] | 2564 | [3040, 4035] | 4863 | [6439, 6440] | 7162 | [4832, 4831] |
| 266 | [514, 515] | 2565 | [4036, 1088] | 4864 | [2839, 398]  | 7163 | [8093, 5606] |
| 267 | [171, 516] | 2566 | [4037, 1136] | 4865 | [6441, 6442] | 7164 | [8094, 7278] |

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| 268 | [517, 518] | 2567 | [922, 4038]  | 4866 | [3568, 6443] | 7165 | [7791, 5021] |
| 269 | [519, 520] | 2568 | [313, 4039]  | 4867 | [6444, 6445] | 7166 | [5687, 7347] |
| 270 | [521, 522] | 2569 | [4040, 3184] | 4868 | [4096, 3877] | 7167 | [619, 7877]  |
| 271 | [523, 524] | 2570 | [3597, 4041] | 4869 | [3360, 3872] | 7168 | [8095, 8091] |
| 272 | [525, 526] | 2571 | [4042, 4043] | 4870 | [6446, 6447] | 7169 | [2282, 7301] |
| 273 | [527, 528] | 2572 | [1160, 321]  | 4871 | [1344, 6445] | 7170 | [8096, 7737] |
| 274 | [529, 530] | 2573 | [318, 349]   | 4872 | [3060, 278]  | 7171 | [8097, 8098] |
| 275 | [531, 532] | 2574 | [4044, 3695] | 4873 | [6448, 3078] | 7172 | [5448, 7983] |
| 276 | [533, 534] | 2575 | [4045, 4046] | 4874 | [6449, 6450] | 7173 | [8099, 4149] |
| 277 | [535, 536] | 2576 | [3544, 4047] | 4875 | [6451, 402]  | 7174 | [415, 3206]  |
| 278 | [537, 197] | 2577 | [4048, 2778] | 4876 | [6452, 6453] | 7175 | [8100, 3962] |
| 279 | [538, 539] | 2578 | [4049, 3568] | 4877 | [6454, 3292] | 7176 | [1149, 6390] |
| 280 | [540, 541] | 2579 | [4050, 2993] | 4878 | [6455, 6364] | 7177 | [3724, 6067] |
| 281 | [542, 543] | 2580 | [4051, 4052] | 4879 | [6456, 6457] | 7178 | [8101, 4108] |
| 282 | [544, 545] | 2581 | [4053, 916]  | 4880 | [894, 6076]  | 7179 | [8102, 6301] |
| 283 | [546, 547] | 2582 | [4010, 4054] | 4881 | [6458, 1567] | 7180 | [8103, 4034] |
| 284 | [548, 549] | 2583 | [4055, 284]  | 4882 | [6120, 6459] | 7181 | [8104, 6544] |
| 285 | [550, 551] | 2584 | [4056, 4057] | 4883 | [3304, 2793] | 7182 | [1236, 1238] |
| 286 | [552, 553] | 2585 | [4058, 4059] | 4884 | [6460, 4087] | 7183 | [1231, 411]  |
| 287 | [554, 555] | 2586 | [4060, 3121] | 4885 | [3341, 1440] | 7184 | [8105, 8106] |
| 288 | [556, 557] | 2587 | [4061, 1525] | 4886 | [6461, 6462] | 7185 | [3913, 8107] |
| 289 | [558, 559] | 2588 | [4062, 4063] | 4887 | [5977, 1308] | 7186 | [8108, 5840] |
| 290 | [560, 561] | 2589 | [4064, 4065] | 4888 | [6463, 2987] | 7187 | [4176, 6607] |
| 291 | [562, 563] | 2590 | [4066, 3918] | 4889 | [1080, 6464] | 7188 | [8109, 1060] |
| 292 | [564, 565] | 2591 | [4067, 3300] | 4890 | [6465, 3329] | 7189 | [8110, 6812] |
| 293 | [566, 567] | 2592 | [3373, 3240] | 4891 | [3643, 5798] | 7190 | [2723, 8111] |
| 294 | [568, 569] | 2593 | [4068, 2824] | 4892 | [6256, 1018] | 7191 | [8112, 3582] |
| 295 | [570, 571] | 2594 | [3934, 3496] | 4893 | [1332, 3085] | 7192 | [3089, 938]  |
| 296 | [572, 573] | 2595 | [4069, 3759] | 4894 | [6408, 1380] | 7193 | [4162, 291]  |
| 297 | [574, 575] | 2596 | [4070, 3647] | 4895 | [5905, 259]  | 7194 | [3538, 452]  |
| 298 | [576, 577] | 2597 | [1231, 2830] | 4896 | [6466, 6467] | 7195 | [327, 6804]  |
| 299 | [578, 579] | 2598 | [4071, 3399] | 4897 | [19, 2841]   | 7196 | [3969, 295]  |
| 300 | [580, 581] | 2599 | [3258, 3960] | 4898 | [3341, 1250] | 7197 | [1551, 3426] |
| 301 | [582, 583] | 2600 | [4072, 1005] | 4899 | [6468, 6469] | 7198 | [8113, 1091] |
| 302 | [584, 585] | 2601 | [1133, 4073] | 4900 | [1348, 6138] | 7199 | [8114, 22]   |
| 303 | [586, 587] | 2602 | [335, 5]     | 4901 | [6393, 4104] | 7200 | [8115, 1554] |
| 304 | [588, 589] | 2603 | [319, 4074]  | 4902 | [6470, 6462] | 7201 | [6691, 6339] |
| 305 | [590, 591] | 2604 | [464, 2762]  | 4903 | [6471, 2916] | 7202 | [325, 6718]  |
| 306 | [592, 593] | 2605 | [4075, 2871] | 4904 | [6472, 6473] | 7203 | [8116, 3262] |
| 307 | [594, 595] | 2606 | [3244, 4076] | 4905 | [1266, 3053] | 7204 | [8117, 6139] |
| 308 | [596, 597] | 2607 | [4077, 4078] | 4906 | [6474, 6475] | 7205 | [338, 3358]  |
| 309 | [598, 599] | 2608 | [4079, 4080] | 4907 | [5923, 6453] | 7206 | [8118, 6211] |
| 310 | [600, 601] | 2609 | [87, 3507]   | 4908 | [6062, 5827] | 7207 | [1359, 7154] |
| 311 | [602, 603] | 2610 | [4081, 4082] | 4909 | [6476, 3718] | 7208 | [6277, 4137] |

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| 312 | [604, 605] | 2611 | [4083, 3025] | 4910 | [6477, 6478] | 7209 | [8119, 3627] |
| 313 | [606, 196] | 2612 | [4084, 4085] | 4911 | [6479, 2940] | 7210 | [3763, 3091] |
| 314 | [567, 607] | 2613 | [4086, 4087] | 4912 | [6480, 6481] | 7211 | [8120, 1172] |
| 315 | [608, 609] | 2614 | [4088, 2904] | 4913 | [6482, 3909] | 7212 | [1028, 3740] |
| 316 | [610, 611] | 2615 | [4089, 919]  | 4914 | [6483, 6484] | 7213 | [8121, 6682] |
| 317 | [612, 613] | 2616 | [4090, 4091] | 4915 | [6485, 6486] | 7214 | [5919, 6332] |
| 318 | [614, 615] | 2617 | [4092, 4093] | 4916 | [6487, 6289] | 7215 | [8122, 6682] |
| 319 | [616, 617] | 2618 | [4094, 4095] | 4917 | [3882, 1569] | 7216 | [8123, 3526] |
| 320 | [618, 474] | 2619 | [4096, 4097] | 4918 | [6488, 5920] | 7217 | [3512, 6562] |
| 321 | [619, 620] | 2620 | [4098, 1080] | 4919 | [2794, 6489] | 7218 | [8124, 8125] |
| 322 | [621, 622] | 2621 | [4099, 3551] | 4920 | [6490, 6491] | 7219 | [2912, 8126] |
| 323 | [623, 624] | 2622 | [4100, 1488] | 4921 | [3161, 1004] | 7220 | [8127, 3958] |
| 324 | [625, 626] | 2623 | [4101, 447]  | 4922 | [6492, 6493] | 7221 | [3413, 3940] |
| 325 | [627, 628] | 2624 | [1043, 455]  | 4923 | [6494, 5794] | 7222 | [5993, 3434] |
| 326 | [629, 630] | 2625 | [4102, 4103] | 4924 | [6495, 6496] | 7223 | [7123, 7104] |
| 327 | [631, 131] | 2626 | [4104, 3884] | 4925 | [6276, 6497] | 7224 | [101, 5956]  |
| 328 | [632, 633] | 2627 | [4105, 4106] | 4926 | [3965, 6157] | 7225 | [1314, 3220] |
| 329 | [634, 635] | 2628 | [4107, 4108] | 4927 | [6498, 261]  | 7226 | [8128, 4186] |
| 330 | [636, 637] | 2629 | [3175, 1341] | 4928 | [3180, 1145] | 7227 | [3191, 3576] |
| 331 | [638, 639] | 2630 | [4109, 4110] | 4929 | [6499, 1353] | 7228 | [8129, 8130] |
| 332 | [640, 641] | 2631 | [2946, 4111] | 4930 | [6500, 1406] | 7229 | [6430, 1570] |
| 333 | [642, 643] | 2632 | [439, 4112]  | 4931 | [1541, 6501] | 7230 | [8131, 1301] |
| 334 | [644, 11]  | 2633 | [4113, 3351] | 4932 | [6502, 6055] | 7231 | [6793, 6990] |
| 335 | [645, 646] | 2634 | [4114, 1475] | 4933 | [427, 6503]  | 7232 | [8132, 8133] |
| 336 | [647, 648] | 2635 | [4115, 4116] | 4934 | [6504, 3841] | 7233 | [8134, 6771] |
| 337 | [649, 650] | 2636 | [4117, 2879] | 4935 | [6505, 3723] | 7234 | [8135, 8136] |
| 338 | [651, 652] | 2637 | [4118, 4119] | 4936 | [3034, 1097] | 7235 | [1156, 6049] |
| 339 | [653, 654] | 2638 | [3070, 4120] | 4937 | [6484, 395]  | 7236 | [8137, 8138] |
| 340 | [655, 656] | 2639 | [4121, 1510] | 4938 | [6506, 6507] | 7237 | [3814, 8139] |
| 341 | [637, 657] | 2640 | [3927, 4122] | 4939 | [1579, 6014] | 7238 | [8140, 6186] |
| 342 | [658, 659] | 2641 | [4123, 3362] | 4940 | [6508, 6509] | 7239 | [6632, 8141] |
| 343 | [660, 661] | 2642 | [4124, 4125] | 4941 | [6510, 441]  | 7240 | [8142, 8143] |
| 344 | [662, 663] | 2643 | [3709, 322]  | 4942 | [6511, 5915] | 7241 | [3336, 6653] |
| 345 | [664, 665] | 2644 | [3452, 4126] | 4943 | [6512, 4050] | 7242 | [3112, 3426] |
| 346 | [666, 667] | 2645 | [3742, 1323] | 4944 | [6513, 1560] | 7243 | [3039, 6690] |
| 347 | [668, 532] | 2646 | [4127, 4128] | 4945 | [2799, 1206] | 7244 | [1085, 8144] |
| 348 | [669, 670] | 2647 | [4129, 4095] | 4946 | [3712, 3988] | 7245 | [5930, 378]  |
| 349 | [671, 672] | 2648 | [4130, 3604] | 4947 | [423, 6514]  | 7246 | [6331, 8145] |
| 350 | [673, 674] | 2649 | [4131, 4132] | 4948 | [3201, 5936] | 7247 | [6276, 8146] |
| 351 | [675, 676] | 2650 | [4133, 4134] | 4949 | [110, 6515]  | 7248 | [3588, 2981] |
| 352 | [677, 678] | 2651 | [4135, 4136] | 4950 | [6516, 6517] | 7249 | [1208, 8139] |
| 353 | [679, 680] | 2652 | [4137, 1157] | 4951 | [6518, 4119] | 7250 | [6198, 7058] |
| 354 | [681, 682] | 2653 | [3959, 3259] | 4952 | [6519, 4093] | 7251 | [6148, 3996] |
| 355 | [683, 684] | 2654 | [4138, 930]  | 4953 | [6520, 6268] | 7252 | [326, 6803]  |

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|-----|------------|------|--------------|------|--------------|------|--------------|
| 356 | [685, 509] | 2655 | [3280, 1177] | 4954 | [6521, 5900] | 7253 | [8147, 968]  |
| 357 | [686, 687] | 2656 | [4139, 4140] | 4955 | [3704, 973]  | 7254 | [4039, 101]  |
| 358 | [688, 689] | 2657 | [4124, 4141] | 4956 | [885, 3911]  | 7255 | [76, 4035]   |
| 359 | [690, 691] | 2658 | [4142, 3591] | 4957 | [6522, 1182] | 7256 | [8148, 3067] |
| 360 | [692, 693] | 2659 | [3016, 3912] | 4958 | [3748, 6523] | 7257 | [8149, 6703] |
| 361 | [694, 695] | 2660 | [4143, 4144] | 4959 | [6524, 2718] | 7258 | [6201, 966]  |
| 362 | [696, 697] | 2661 | [4145, 928]  | 4960 | [3428, 5872] | 7259 | [1167, 8150] |
| 363 | [698, 699] | 2662 | [4146, 4147] | 4961 | [6525, 381]  | 7260 | [8151, 8152] |
| 364 | [700, 701] | 2663 | [4148, 433]  | 4962 | [6526, 3196] | 7261 | [6077, 5983] |
| 365 | [702, 703] | 2664 | [4149, 4150] | 4963 | [6527, 6031] | 7262 | [6831, 6529] |
| 366 | [704, 705] | 2665 | [4151, 3672] | 4964 | [6528, 5901] | 7263 | [8153, 3679] |
| 367 | [706, 707] | 2666 | [4152, 3834] | 4965 | [6036, 6529] | 7264 | [8154, 3411] |
| 368 | [708, 709] | 2667 | [1124, 3175] | 4966 | [6338, 5815] | 7265 | [5834, 2715] |
| 369 | [710, 711] | 2668 | [3166, 4096] | 4967 | [6293, 3092] | 7266 | [2997, 3553] |
| 370 | [712, 142] | 2669 | [919, 3894]  | 4968 | [6530, 3563] | 7267 | [8155, 8156] |
| 371 | [713, 714] | 2670 | [4153, 4154] | 4969 | [440, 6531]  | 7268 | [8157, 3419] |
| 372 | [9, 715]   | 2671 | [4155, 389]  | 4970 | [3183, 6420] | 7269 | [6417, 6589] |
| 373 | [716, 717] | 2672 | [4156, 3561] | 4971 | [6532, 986]  | 7270 | [6741, 6322] |
| 374 | [718, 719] | 2673 | [3302, 3883] | 4972 | [6533, 6534] | 7271 | [8158, 3390] |
| 375 | [720, 721] | 2674 | [4157, 424]  | 4973 | [6535, 6536] | 7272 | [1384, 8159] |
| 376 | [42, 722]  | 2675 | [4158, 3607] | 4974 | [6537, 6110] | 7273 | [895, 3727]  |
| 377 | [723, 724] | 2676 | [4159, 4160] | 4975 | [6538, 3075] | 7274 | [8160, 1134] |
| 378 | [725, 726] | 2677 | [252, 3474]  | 4976 | [6539, 5849] | 7275 | [3672, 6638] |
| 379 | [727, 728] | 2678 | [4161, 99]   | 4977 | [6540, 3366] | 7276 | [6428, 1503] |
| 380 | [729, 730] | 2679 | [2953, 3901] | 4978 | [6541, 6542] | 7277 | [1131, 1493] |
| 381 | [731, 732] | 2680 | [4162, 945]  | 4979 | [6543, 5966] | 7278 | [8161, 6218] |
| 382 | [733, 734] | 2681 | [4163, 257]  | 4980 | [6283, 6544] | 7279 | [8162, 3143] |
| 383 | [735, 736] | 2682 | [1035, 3137] | 4981 | [3447, 3213] | 7280 | [8163, 8164] |
| 384 | [737, 738] | 2683 | [4164, 4165] | 4982 | [6545, 6546] | 7281 | [6694, 6089] |
| 385 | [739, 740] | 2684 | [4166, 4167] | 4983 | [6547, 6548] | 7282 | [3985, 2842] |
| 386 | [741, 742] | 2685 | [4168, 4039] | 4984 | [3469, 295]  | 7283 | [4151, 1584] |
| 387 | [743, 744] | 2686 | [4169, 4170] | 4985 | [3126, 6549] | 7284 | [8165, 416]  |
| 388 | [745, 746] | 2687 | [4171, 3027] | 4986 | [446, 6550]  | 7285 | [8166, 8167] |
| 389 | [747, 748] | 2688 | [2923, 4172] | 4987 | [4130, 5906] | 7286 | [8168, 8169] |
| 390 | [749, 750] | 2689 | [4173, 114]  | 4988 | [6262, 6348] | 7287 | [3151, 6243] |
| 391 | [751, 472] | 2690 | [1077, 3976] | 4989 | [6169, 6551] | 7288 | [8170, 122]  |
| 392 | [752, 753] | 2691 | [4174, 1447] | 4990 | [6552, 6553] | 7289 | [8171, 8172] |
| 393 | [754, 755] | 2692 | [1559, 3693] | 4991 | [3910, 886]  | 7290 | [3829, 3080] |
| 394 | [756, 757] | 2693 | [4175, 3110] | 4992 | [2982, 6554] | 7291 | [5846, 3945] |
| 395 | [758, 759] | 2694 | [4176, 1179] | 4993 | [4062, 2899] | 7292 | [1194, 94]   |
| 396 | [760, 761] | 2695 | [4147, 1183] | 4994 | [3261, 3826] | 7293 | [8173, 8169] |
| 397 | [762, 763] | 2696 | [1039, 3934] | 4995 | [6555, 6556] | 7294 | [1210, 6273] |
| 398 | [764, 765] | 2697 | [456, 3210]  | 4996 | [3415, 1226] | 7295 | [6731, 8174] |
| 399 | [766, 767] | 2698 | [4177, 65]   | 4997 | [6557, 5923] | 7296 | [1072, 5929] |

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|-----|------------|------|--------------|------|--------------|------|--------------|
| 400 | [768, 769] | 2699 | [4178, 3931] | 4998 | [6558, 6559] | 7297 | [8175, 1192] |
| 401 | [770, 771] | 2700 | [4179, 3560] | 4999 | [6560, 1400] | 7298 | [8176, 6762] |
| 402 | [772, 773] | 2701 | [1591, 4180] | 5000 | [85, 1527]   | 7299 | [8177, 8178] |
| 403 | [774, 775] | 2702 | [4181, 3045] | 5001 | [6561, 4154] | 7300 | [8179, 1056] |
| 404 | [776, 777] | 2703 | [4182, 4183] | 5002 | [3836, 6562] | 7301 | [6355, 8180] |
| 405 | [478, 778] | 2704 | [4184, 3104] | 5003 | [6563, 6564] | 7302 | [8181, 4086] |
| 406 | [779, 49]  | 2705 | [4185, 4186] | 5004 | [6565, 6566] | 7303 | [63, 6581]   |
| 407 | [780, 781] | 2706 | [4187, 2276] | 5005 | [6060, 3643] | 7304 | [6347, 1357] |
| 408 | [782, 783] | 2707 | [4188, 4189] | 5006 | [6567, 6568] | 7305 | [5820, 5929] |
| 409 | [784, 785] | 2708 | [4190, 4191] | 5007 | [1554, 2856] | 7306 | [8182, 6652] |
| 410 | [786, 542] | 2709 | [4192, 1808] | 5008 | [3139, 3675] | 7307 | [8131, 3481] |
| 411 | [787, 545] | 2710 | [1783, 4193] | 5009 | [1505, 3393] | 7308 | [2852, 67]   |
| 412 | [788, 789] | 2711 | [637, 2198]  | 5010 | [5829, 6569] | 7309 | [8183, 5885] |
| 413 | [790, 694] | 2712 | [4194, 615]  | 5011 | [6373, 4103] | 7310 | [3304, 1427] |
| 414 | [791, 792] | 2713 | [2520, 4195] | 5012 | [6570, 6571] | 7311 | [8184, 8185] |
| 415 | [793, 794] | 2714 | [4196, 4197] | 5013 | [6572, 1532] | 7312 | [6091, 8186] |
| 416 | [795, 796] | 2715 | [4198, 2227] | 5014 | [6573, 6574] | 7313 | [1093, 1166] |
| 417 | [797, 798] | 2716 | [4199, 2434] | 5015 | [6575, 1140] | 7314 | [8187, 5991] |
| 418 | [799, 800] | 2717 | [214, 4200]  | 5016 | [5871, 3429] | 7315 | [8188, 7149] |
| 419 | [801, 802] | 2718 | [719, 2222]  | 5017 | [3041, 6576] | 7316 | [8189, 4056] |
| 420 | [803, 804] | 2719 | [4201, 4202] | 5018 | [6577, 396]  | 7317 | [4178, 6710] |
| 421 | [805, 806] | 2720 | [4203, 4204] | 5019 | [1453, 2888] | 7318 | [6902, 1306] |
| 422 | [203, 807] | 2721 | [4205, 4206] | 5020 | [6522, 6122] | 7319 | [7151, 6261] |
| 423 | [808, 809] | 2722 | [4207, 4208] | 5021 | [3523, 6292] | 7320 | [8190, 8191] |
| 424 | [810, 811] | 2723 | [4209, 4210] | 5022 | [6578, 262]  | 7321 | [6900, 1484] |
| 425 | [812, 813] | 2724 | [129, 2526]  | 5023 | [6421, 6579] | 7322 | [918, 3893]  |
| 426 | [814, 815] | 2725 | [2270, 1740] | 5024 | [6580, 250]  | 7323 | [8192, 8193] |
| 427 | [816, 817] | 2726 | [4211, 4212] | 5025 | [5960, 6095] | 7324 | [3979, 399]  |
| 428 | [818, 781] | 2727 | [4213, 4214] | 5026 | [1304, 6581] | 7325 | [3164, 3505] |
| 429 | [819, 820] | 2728 | [4215, 2489] | 5027 | [4117, 1000] | 7326 | [3821, 327]  |
| 430 | [821, 822] | 2729 | [4216, 2480] | 5028 | [6582, 6583] | 7327 | [8194, 892]  |
| 431 | [819, 823] | 2730 | [4217, 4218] | 5029 | [6584, 6585] | 7328 | [8195, 3913] |
| 432 | [824, 825] | 2731 | [4219, 1810] | 5030 | [3022, 1434] | 7329 | [8196, 6656] |
| 433 | [826, 827] | 2732 | [4220, 2311] | 5031 | [6586, 4019] | 7330 | [6620, 4109] |
| 434 | [828, 829] | 2733 | [4221, 1806] | 5032 | [321, 6114]  | 7331 | [8197, 8198] |
| 435 | [830, 831] | 2734 | [2425, 4222] | 5033 | [6587, 6320] | 7332 | [1103, 1055] |
| 436 | [832, 833] | 2735 | [4223, 4224] | 5034 | [6588, 6589] | 7333 | [8199, 958]  |
| 437 | [834, 835] | 2736 | [1930, 4225] | 5035 | [2918, 6590] | 7334 | [4051, 3692] |
| 438 | [836, 837] | 2737 | [4225, 2427] | 5036 | [1591, 1521] | 7335 | [8200, 936]  |
| 439 | [838, 839] | 2738 | [1616, 2328] | 5037 | [6050, 3235] | 7336 | [3685, 7001] |
| 440 | [840, 672] | 2739 | [4226, 200]  | 5038 | [6591, 359]  | 7337 | [6576, 1544] |
| 441 | [841, 842] | 2740 | [4227, 4228] | 5039 | [2876, 4132] | 7338 | [5829, 7035] |
| 442 | [843, 844] | 2741 | [4229, 4230] | 5040 | [6592, 1397] | 7339 | [7087, 8201] |
| 443 | [845, 846] | 2742 | [1651, 4231] | 5041 | [6126, 6593] | 7340 | [3992, 5803] |

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|-----|------------|------|--------------|------|--------------|------|--------------|
| 444 | [847, 848] | 2743 | [4232, 4233] | 5042 | [6594, 4128] | 7341 | [8202, 6380] |
| 445 | [849, 850] | 2744 | [4234, 4235] | 5043 | [5807, 1457] | 7342 | [2759, 2963] |
| 446 | [152, 851] | 2745 | [1625, 4236] | 5044 | [6595, 1046] | 7343 | [3848, 3511] |
| 447 | [852, 48]  | 2746 | [4237, 1702] | 5045 | [3920, 6596] | 7344 | [8203, 2809] |
| 448 | [817, 853] | 2747 | [2450, 4238] | 5046 | [6426, 6597] | 7345 | [1350, 6263] |
| 449 | [854, 855] | 2748 | [4239, 4240] | 5047 | [3473, 6598] | 7346 | [7119, 6225] |
| 450 | [856, 857] | 2749 | [4241, 2473] | 5048 | [6599, 6600] | 7347 | [8204, 247]  |
| 451 | [858, 56]  | 2750 | [4242, 4243] | 5049 | [6601, 6602] | 7348 | [1319, 5933] |
| 452 | [859, 860] | 2751 | [2410, 2389] | 5050 | [6603, 3316] | 7349 | [8205, 3353] |
| 453 | [861, 862] | 2752 | [4244, 2229] | 5051 | [450, 6604]  | 7350 | [1550, 8206] |
| 454 | [863, 864] | 2753 | [4245, 4246] | 5052 | [1096, 3035] | 7351 | [3073, 8207] |
| 455 | [865, 59]  | 2754 | [2330, 4247] | 5053 | [3666, 2707] | 7352 | [8208, 8209] |
| 456 | [866, 867] | 2755 | [4248, 1696] | 5054 | [3370, 4106] | 7353 | [3603, 7099] |
| 457 | [868, 869] | 2756 | [4249, 4250] | 5055 | [6605, 3819] | 7354 | [8210, 895]  |
| 458 | [870, 871] | 2757 | [4251, 2436] | 5056 | [6606, 6587] | 7355 | [8211, 1567] |
| 459 | [872, 873] | 2758 | [4252, 780]  | 5057 | [2831, 6607] | 7356 | [8212, 2871] |
| 460 | [874, 875] | 2759 | [4253, 4254] | 5058 | [6608, 3516] | 7357 | [6446, 3668] |
| 461 | [876, 877] | 2760 | [688, 4255]  | 5059 | [6609, 3147] | 7358 | [6954, 6182] |
| 462 | [878, 199] | 2761 | [4256, 1772] | 5060 | [2707, 3476] | 7359 | [3606, 6873] |
| 463 | [879, 880] | 2762 | [142, 4257]  | 5061 | [6610, 6275] | 7360 | [8213, 3992] |
| 464 | [140, 881] | 2763 | [4258, 1847] | 5062 | [6611, 3296] | 7361 | [1568, 1230] |
| 465 | [882, 356] | 2764 | [1852, 4259] | 5063 | [3368, 3369] | 7362 | [3690, 1028] |
| 466 | [883, 884] | 2765 | [4260, 4261] | 5064 | [1418, 2747] | 7363 | [1483, 6901] |
| 467 | [885, 886] | 2766 | [4262, 4263] | 5065 | [3803, 3700] | 7364 | [1157, 1254] |
| 468 | [887, 888] | 2767 | [4264, 4265] | 5066 | [6612, 3595] | 7365 | [435, 8214]  |
| 469 | [889, 890] | 2768 | [4266, 738]  | 5067 | [444, 26]    | 7366 | [5966, 89]   |
| 470 | [891, 892] | 2769 | [4267, 4268] | 5068 | [3238, 6613] | 7367 | [8215, 3101] |
| 471 | [893, 894] | 2770 | [4269, 4270] | 5069 | [6614, 6615] | 7368 | [3272, 8136] |
| 472 | [895, 896] | 2771 | [4271, 4272] | 5070 | [6616, 3200] | 7369 | [8216, 6179] |
| 473 | [897, 898] | 2772 | [4273, 4274] | 5071 | [3077, 2776] | 7370 | [8217, 6404] |
| 474 | [899, 461] | 2773 | [4240, 2631] | 5072 | [6617, 6618] | 7371 | [8218, 6550] |
| 475 | [900, 901] | 2774 | [4243, 761]  | 5073 | [6619, 6620] | 7372 | [354, 8206]  |
| 476 | [902, 903] | 2775 | [4275, 2694] | 5074 | [4125, 1207] | 7373 | [8219, 3809] |
| 477 | [904, 905] | 2776 | [4276, 2372] | 5075 | [6621, 2908] | 7374 | [7088, 6313] |
| 478 | [906, 907] | 2777 | [4277, 4278] | 5076 | [3704, 6622] | 7375 | [2885, 3089] |
| 479 | [908, 909] | 2778 | [676, 4279]  | 5077 | [6623, 6309] | 7376 | [8220, 3979] |
| 480 | [910, 911] | 2779 | [4280, 4281] | 5078 | [3236, 3885] | 7377 | [6690, 1176] |
| 481 | [912, 913] | 2780 | [4282, 2366] | 5079 | [3911, 6624] | 7378 | [8221, 3644] |
| 482 | [914, 915] | 2781 | [4283, 783]  | 5080 | [6625, 6626] | 7379 | [8222, 964]  |
| 483 | [916, 917] | 2782 | [4284, 4285] | 5081 | [6627, 3557] | 7380 | [8223, 8224] |
| 484 | [918, 919] | 2783 | [2243, 2071] | 5082 | [3412, 3939] | 7381 | [4005, 1164] |
| 485 | [920, 314] | 2784 | [4286, 1950] | 5083 | [2729, 6628] | 7382 | [8225, 8226] |
| 486 | [921, 922] | 2785 | [2609, 4287] | 5084 | [6629, 3677] | 7383 | [1130, 8227] |
| 487 | [923, 924] | 2786 | [4288, 693]  | 5085 | [6630, 6631] | 7384 | [2901, 3622] |

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| 488 | [925, 926]   | 2787 | [4289, 4290] | 5086 | [3411, 6585] | 7385 | [917, 8228]  |
| 489 | [927, 928]   | 2788 | [4291, 4292] | 5087 | [4105, 3371] | 7386 | [6172, 3491] |
| 490 | [929, 930]   | 2789 | [4293, 4294] | 5088 | [6632, 3043] | 7387 | [8229, 8230] |
| 491 | [931, 932]   | 2790 | [822, 4295]  | 5089 | [6030, 6633] | 7388 | [920, 6262]  |
| 492 | [933, 934]   | 2791 | [1707, 2403] | 5090 | [3051, 1377] | 7389 | [8231, 8232] |
| 493 | [935, 936]   | 2792 | [4296, 751]  | 5091 | [1202, 6634] | 7390 | [7158, 7104] |
| 494 | [937, 938]   | 2793 | [4297, 4298] | 5092 | [6635, 3041] | 7391 | [8233, 390]  |
| 495 | [939, 940]   | 2794 | [4299, 4300] | 5093 | [969, 85]    | 7392 | [6687, 107]  |
| 496 | [941, 942]   | 2795 | [4301, 4302] | 5094 | [3044, 6636] | 7393 | [2963, 2972] |
| 497 | [943, 944]   | 2796 | [4303, 4304] | 5095 | [4184, 5975] | 7394 | [8234, 2949] |
| 498 | [945, 946]   | 2797 | [4305, 4306] | 5096 | [6637, 1404] | 7395 | [8235, 6028] |
| 499 | [947, 948]   | 2798 | [499, 4307]  | 5097 | [1584, 6638] | 7396 | [8236, 8237] |
| 500 | [949, 950]   | 2799 | [4308, 653]  | 5098 | [6639, 5823] | 7397 | [6533, 4078] |
| 501 | [951, 952]   | 2800 | [4309, 2409] | 5099 | [6200, 3622] | 7398 | [8238, 8239] |
| 502 | [953, 954]   | 2801 | [4310, 1889] | 5100 | [6640, 1277] | 7399 | [8240, 8241] |
| 503 | [955, 956]   | 2802 | [4311, 2579] | 5101 | [6641, 1210] | 7400 | [4143, 8242] |
| 504 | [957, 958]   | 2803 | [4312, 4313] | 5102 | [6642, 6093] | 7401 | [3437, 1445] |
| 505 | [959, 960]   | 2804 | [4314, 4315] | 5103 | [6643, 2969] | 7402 | [8243, 3971] |
| 506 | [961, 962]   | 2805 | [4316, 2042] | 5104 | [3031, 3057] | 7403 | [3558, 8244] |
| 507 | [963, 964]   | 2806 | [4317, 795]  | 5105 | [6644, 430]  | 7404 | [8245, 6684] |
| 508 | [965, 966]   | 2807 | [4318, 2432] | 5106 | [6190, 6310] | 7405 | [403, 8246]  |
| 509 | [967, 968]   | 2808 | [4319, 4320] | 5107 | [16, 6645]   | 7406 | [8247, 8248] |
| 510 | [969, 970]   | 2809 | [2366, 4321] | 5108 | [6646, 3462] | 7407 | [7091, 8249] |
| 511 | [971, 446]   | 2810 | [4322, 4248] | 5109 | [883, 2950]  | 7408 | [8250, 3813] |
| 512 | [972, 973]   | 2811 | [4323, 4202] | 5110 | [6647, 6648] | 7409 | [6059, 443]  |
| 513 | [974, 975]   | 2812 | [4324, 2224] | 5111 | [6649, 3726] | 7410 | [8251, 7022] |
| 514 | [976, 950]   | 2813 | [4325, 564]  | 5112 | [6650, 275]  | 7411 | [8252, 8253] |
| 515 | [977, 978]   | 2814 | [4326, 4327] | 5113 | [6591, 1513] | 7412 | [8254, 3848] |
| 516 | [979, 980]   | 2815 | [1949, 4328] | 5114 | [6099, 1573] | 7413 | [8201, 288]  |
| 517 | [981, 982]   | 2816 | [4329, 4330] | 5115 | [6651, 6652] | 7414 | [8255, 2882] |
| 518 | [983, 984]   | 2817 | [4331, 13]   | 5116 | [451, 27]    | 7415 | [123, 8256]  |
| 519 | [985, 986]   | 2818 | [4332, 4333] | 5117 | [5888, 6653] | 7416 | [8257, 8258] |
| 520 | [16, 987]    | 2819 | [4334, 4335] | 5118 | [6654, 6251] | 7417 | [8259, 7049] |
| 521 | [988, 989]   | 2820 | [1705, 4336] | 5119 | [6655, 6484] | 7418 | [8260, 4170] |
| 522 | [990, 991]   | 2821 | [1960, 1960] | 5120 | [5847, 6656] | 7419 | [6563, 3602] |
| 523 | [992, 291]   | 2822 | [4337, 4338] | 5121 | [1273, 2858] | 7420 | [6146, 8111] |
| 524 | [993, 994]   | 2823 | [4339, 476]  | 5122 | [6657, 6658] | 7421 | [1007, 271]  |
| 525 | [995, 996]   | 2824 | [4340, 856]  | 5123 | [1534, 6376] | 7422 | [8261, 5935] |
| 526 | [997, 998]   | 2825 | [4341, 2292] | 5124 | [6659, 6660] | 7423 | [8262, 8263] |
| 527 | [999, 1000]  | 2826 | [4342, 2552] | 5125 | [6661, 1582] | 7424 | [8264, 3844] |
| 528 | [1001, 1002] | 2827 | [4343, 2411] | 5126 | [1389, 3096] | 7425 | [8265, 6493] |
| 529 | [1003, 1004] | 2828 | [4344, 4345] | 5127 | [6662, 1280] | 7426 | [8266, 3863] |
| 530 | [1005, 1006] | 2829 | [4346, 788]  | 5128 | [6663, 6664] | 7427 | [1554, 6002] |
| 531 | [1007, 1008] | 2830 | [2667, 57]   | 5129 | [6665, 6666] | 7428 | [8267, 2833] |

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|-----|--------------|------|--------------|------|--------------|------|--------------|
| 532 | [1009, 1010] | 2831 | [4347, 4348] | 5130 | [6667, 1282] | 7429 | [8268, 391]  |
| 533 | [1011, 1012] | 2832 | [4349, 4350] | 5131 | [3438, 6668] | 7430 | [3329, 8246] |
| 534 | [1013, 1014] | 2833 | [4351, 4352] | 5132 | [1075, 6669] | 7431 | [6878, 3531] |
| 535 | [1015, 1016] | 2834 | [2520, 4353] | 5133 | [6670, 6671] | 7432 | [107, 6325]  |
| 536 | [884, 1017]  | 2835 | [4354, 1969] | 5134 | [5835, 6672] | 7433 | [8269, 3178] |
| 537 | [1018, 1019] | 2836 | [4355, 4356] | 5135 | [6673, 6118] | 7434 | [2978, 3904] |
| 538 | [1020, 1021] | 2837 | [4357, 848]  | 5136 | [6674, 6675] | 7435 | [7166, 8270] |
| 539 | [1022, 1023] | 2838 | [4358, 764]  | 5137 | [4170, 6676] | 7436 | [8271, 3252] |
| 540 | [1024, 1025] | 2839 | [2281, 1834] | 5138 | [6677, 6678] | 7437 | [8149, 7078] |
| 541 | [1026, 1027] | 2840 | [4359, 132]  | 5139 | [3441, 6423] | 7438 | [341, 7163]  |
| 542 | [1028, 1029] | 2841 | [4360, 2611] | 5140 | [5900, 5833] | 7439 | [8272, 1593] |
| 543 | [1030, 447]  | 2842 | [4361, 4362] | 5141 | [887, 6679]  | 7440 | [2715, 6672] |
| 544 | [1031, 1032] | 2843 | [4363, 2145] | 5142 | [6680, 1453] | 7441 | [8273, 4066] |
| 545 | [1033, 1034] | 2844 | [2693, 4341] | 5143 | [6681, 449]  | 7442 | [8274, 8275] |
| 546 | [1035, 1036] | 2845 | [4364, 2519] | 5144 | [6682, 3033] | 7443 | [8276, 3041] |
| 547 | [1037, 1038] | 2846 | [4365, 4366] | 5145 | [3302, 3227] | 7444 | [8277, 8278] |
| 548 | [1039, 1040] | 2847 | [4367, 4368] | 5146 | [6683, 6684] | 7445 | [278, 1591]  |
| 549 | [1041, 1042] | 2848 | [4369, 4370] | 5147 | [1180, 6685] | 7446 | [3870, 3934] |
| 550 | [1043, 1044] | 2849 | [4371, 4372] | 5148 | [6686, 907]  | 7447 | [6607, 1180] |
| 551 | [1045, 1046] | 2850 | [4373, 4374] | 5149 | [6580, 3048] | 7448 | [5969, 1564] |
| 552 | [1047, 1048] | 2851 | [2556, 4375] | 5150 | [3313, 3661] | 7449 | [7172, 6208] |
| 553 | [1049, 450]  | 2852 | [4376, 40]   | 5151 | [6687, 6324] | 7450 | [6264, 3964] |
| 554 | [1050, 1051] | 2853 | [4377, 4378] | 5152 | [6688, 4150] | 7451 | [3030, 3056] |
| 555 | [1052, 1053] | 2854 | [4379, 4380] | 5153 | [6689, 1224] | 7452 | [3819, 6219] |
| 556 | [1054, 1055] | 2855 | [4381, 4382] | 5154 | [6083, 6690] | 7453 | [1019, 8279] |
| 557 | [1056, 1057] | 2856 | [2583, 1923] | 5155 | [1142, 6691] | 7454 | [3952, 7142] |
| 558 | [1058, 898]  | 2857 | [4383, 4263] | 5156 | [6692, 6693] | 7455 | [3010, 8280] |
| 559 | [244, 1059]  | 2858 | [4384, 555]  | 5157 | [6694, 6407] | 7456 | [5974, 8281] |
| 560 | [1060, 324]  | 2859 | [4385, 2061] | 5158 | [3430, 6695] | 7457 | [8282, 1053] |
| 561 | [1061, 1062] | 2860 | [4259, 4386] | 5159 | [6696, 1446] | 7458 | [3399, 3013] |
| 562 | [1063, 433]  | 2861 | [4387, 1627] | 5160 | [6625, 6697] | 7459 | [3280, 6160] |
| 563 | [1064, 1065] | 2862 | [4388, 690]  | 5161 | [2776, 1587] | 7460 | [8283, 8284] |
| 564 | [1066, 1067] | 2863 | [2627, 4243] | 5162 | [6698, 6671] | 7461 | [1561, 6579] |
| 565 | [1068, 1069] | 2864 | [4389, 4390] | 5163 | [4158, 5880] | 7462 | [8285, 3108] |
| 566 | [1070, 1071] | 2865 | [4391, 2321] | 5164 | [6699, 6700] | 7463 | [7014, 2769] |
| 567 | [1072, 1073] | 2866 | [4392, 4393] | 5165 | [6701, 6702] | 7464 | [2980, 3589] |
| 568 | [1074, 1075] | 2867 | [4394, 664]  | 5166 | [89, 6703]   | 7465 | [3769, 925]  |
| 569 | [1076, 1077] | 2868 | [4395, 1657] | 5167 | [1161, 6704] | 7466 | [8286, 8287] |
| 570 | [447, 1078]  | 2869 | [4396, 4397] | 5168 | [1054, 1104] | 7467 | [8288, 1540] |
| 571 | [1079, 1080] | 2870 | [4398, 2245] | 5169 | [6705, 106]  | 7468 | [8116, 6796] |
| 572 | [1081, 1082] | 2871 | [1835, 4399] | 5170 | [2842, 3560] | 7469 | [6850, 3076] |
| 573 | [1083, 1084] | 2872 | [4400, 4401] | 5171 | [2840, 20]   | 7470 | [8289, 6440] |
| 574 | [1085, 1086] | 2873 | [2423, 1616] | 5172 | [6706, 6707] | 7471 | [3331, 1522] |
| 575 | [1087, 1088] | 2874 | [880, 4296]  | 5173 | [1119, 1390] | 7472 | [8290, 8291] |

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|-----|--------------|------|--------------|------|--------------|------|--------------|
| 576 | [1089, 1090] | 2875 | [2484, 4402] | 5174 | [2714, 5835] | 7473 | [7143, 1539] |
| 577 | [1091, 1092] | 2876 | [4403, 512]  | 5175 | [6708, 6]    | 7474 | [6645, 3847] |
| 578 | [1093, 277]  | 2877 | [4404, 4356] | 5176 | [6117, 6709] | 7475 | [8292, 7122] |
| 579 | [1094, 1095] | 2878 | [4405, 1951] | 5177 | [6710, 3932] | 7476 | [8293, 1155] |
| 580 | [1096, 1097] | 2879 | [4406, 571]  | 5178 | [6711, 6270] | 7477 | [3488, 3865] |
| 581 | [1098, 1099] | 2880 | [1785, 4407] | 5179 | [1333, 6639] | 7478 | [8294, 6687] |
| 582 | [964, 1100]  | 2881 | [4408, 4409] | 5180 | [2900, 6200] | 7479 | [6664, 1159] |
| 583 | [1101, 1102] | 2882 | [1977, 4410] | 5181 | [6712, 6713] | 7480 | [6546, 8295] |
| 584 | [1103, 1104] | 2883 | [4411, 2639] | 5182 | [6714, 6087] | 7481 | [8296, 1091] |
| 585 | [1105, 1106] | 2884 | [4412, 4413] | 5183 | [6715, 405]  | 7482 | [3735, 3240] |
| 586 | [1107, 1108] | 2885 | [1638, 1697] | 5184 | [6149, 347]  | 7483 | [8297, 3753] |
| 587 | [1109, 1110] | 2886 | [4414, 2656] | 5185 | [349, 4074]  | 7484 | [3609, 4160] |
| 588 | [1111, 1112] | 2887 | [4415, 4416] | 5186 | [1371, 3249] | 7485 | [4181, 6636] |
| 589 | [1113, 1114] | 2888 | [647, 2175]  | 5187 | [6716, 311]  | 7486 | [8298, 4091] |
| 590 | [1115, 1116] | 2889 | [2538, 4372] | 5188 | [3841, 4165] | 7487 | [1454, 5838] |
| 591 | [1117, 1118] | 2890 | [4417, 181]  | 5189 | [3293, 1078] | 7488 | [7069, 8299] |
| 592 | [1119, 1120] | 2891 | [4418, 4419] | 5190 | [6717, 6718] | 7489 | [8226, 3850] |
| 593 | [1121, 1122] | 2892 | [4420, 4421] | 5191 | [6719, 6309] | 7490 | [6919, 8300] |
| 594 | [1123, 1124] | 2893 | [4422, 591]  | 5192 | [6720, 29]   | 7491 | [6168, 3005] |
| 595 | [1125, 1126] | 2894 | [4423, 4424] | 5193 | [6721, 3586] | 7492 | [2972, 2985] |
| 596 | [1127, 1128] | 2895 | [4425, 607]  | 5194 | [3066, 2804] | 7493 | [8301, 8180] |
| 597 | [1129, 1130] | 2896 | [1669, 669]  | 5195 | [3944, 6722] | 7494 | [8302, 6983] |
| 598 | [1131, 894]  | 2897 | [4426, 4427] | 5196 | [6723, 3432] | 7495 | [5954, 3554] |
| 599 | [1132, 1133] | 2898 | [4428, 4297] | 5197 | [4127, 3524] | 7496 | [8303, 6554] |
| 600 | [1134, 1135] | 2899 | [4429, 2398] | 5198 | [6724, 108]  | 7497 | [6157, 6730] |
| 601 | [1136, 1137] | 2900 | [4430, 4431] | 5199 | [6725, 4100] | 7498 | [351, 4048]  |
| 602 | [1138, 1139] | 2901 | [4432, 4433] | 5200 | [6726, 6727] | 7499 | [5801, 3094] |
| 603 | [1140, 1141] | 2902 | [4434, 4435] | 5201 | [6728, 3456] | 7500 | [8304, 3715] |
| 604 | [1142, 1143] | 2903 | [4436, 4437] | 5202 | [6666, 1390] | 7501 | [8305, 1187] |
| 605 | [1144, 1145] | 2904 | [4438, 4439] | 5203 | [4084, 5999] | 7502 | [8306, 290]  |
| 606 | [1146, 384]  | 2905 | [4440, 4441] | 5204 | [6729, 1572] | 7503 | [8307, 8308] |
| 607 | [1071, 1147] | 2906 | [4442, 4443] | 5205 | [4058, 6730] | 7504 | [6436, 3807] |
| 608 | [1148, 1149] | 2907 | [4444, 4445] | 5206 | [6731, 6732] | 7505 | [8309, 8310] |
| 609 | [1150, 1151] | 2908 | [4446, 1641] | 5207 | [6733, 3308] | 7506 | [8311, 8312] |
| 610 | [1152, 1153] | 2909 | [4447, 721]  | 5208 | [6734, 4000] | 7507 | [8313, 1422] |
| 611 | [1154, 1155] | 2910 | [4448, 4449] | 5209 | [6735, 6736] | 7508 | [6792, 3671] |
| 612 | [1156, 1157] | 2911 | [4450, 1830] | 5210 | [3054, 3321] | 7509 | [1256, 8314] |
| 613 | [1158, 1159] | 2912 | [211, 4451]  | 5211 | [2740, 6737] | 7510 | [8315, 2872] |
| 614 | [1160, 1161] | 2913 | [4452, 4453] | 5212 | [6034, 6593] | 7511 | [8316, 6442] |
| 615 | [1162, 348]  | 2914 | [2226, 4454] | 5213 | [980, 3020]  | 7512 | [6877, 3889] |
| 616 | [1163, 1164] | 2915 | [4455, 4456] | 5214 | [938, 2718]  | 7513 | [24, 6523]   |
| 617 | [1165, 104]  | 2916 | [2095, 4457] | 5215 | [6738, 3838] | 7514 | [8202, 3889] |
| 618 | [276, 1166]  | 2917 | [4458, 1901] | 5216 | [1040, 3496] | 7515 | [8317, 8236] |
| 619 | [1167, 1168] | 2918 | [4459, 1832] | 5217 | [6739, 6658] | 7516 | [972, 6622]  |

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|-----|--------------|------|--------------|------|--------------|------|--------------|
| 620 | [1169, 1170] | 2919 | [4460, 4461] | 5218 | [6448, 2953] | 7517 | [1493, 6076] |
| 621 | [86, 911]    | 2920 | [4462, 4463] | 5219 | [6740, 5931] | 7518 | [3794, 82]   |
| 622 | [1171, 1172] | 2921 | [4464, 1608] | 5220 | [6365, 6173] | 7519 | [112, 6590]  |
| 623 | [1173, 1174] | 2922 | [2212, 2197] | 5221 | [6741, 3347] | 7520 | [8318, 3564] |
| 624 | [1175, 1176] | 2923 | [4465, 1769] | 5222 | [913, 6742]  | 7521 | [1345, 6909] |
| 625 | [1177, 1178] | 2924 | [4466, 158]  | 5223 | [990, 6743]  | 7522 | [6187, 2775] |
| 626 | [1179, 1180] | 2925 | [677, 4467]  | 5224 | [6744, 3383] | 7523 | [8319, 1519] |
| 627 | [1181, 1182] | 2926 | [4468, 4469] | 5225 | [5912, 4043] | 7524 | [1490, 6980] |
| 628 | [1183, 1061] | 2927 | [4470, 4407] | 5226 | [6745, 1336] | 7525 | [8320, 8321] |
| 629 | [1184, 1185] | 2928 | [1782, 730]  | 5227 | [6746, 1356] | 7526 | [3075, 7141] |
| 630 | [1186, 1187] | 2929 | [4471, 4472] | 5228 | [6747, 6748] | 7527 | [2766, 8322] |
| 631 | [1188, 1189] | 2930 | [4473, 720]  | 5229 | [6749, 3272] | 7528 | [8323, 8324] |
| 632 | [1190, 1191] | 2931 | [4474, 4475] | 5230 | [3067, 1214] | 7529 | [6066, 3725] |
| 633 | [1002, 1192] | 2932 | [4476, 4477] | 5231 | [6750, 6602] | 7530 | [8325, 3564] |
| 634 | [1193, 1194] | 2933 | [4478, 4236] | 5232 | [6751, 3183] | 7531 | [122, 1211]  |
| 635 | [1195, 1196] | 2934 | [4479, 4480] | 5233 | [1444, 6752] | 7532 | [8326, 3234] |
| 636 | [1197, 1198] | 2935 | [4481, 4482] | 5234 | [6753, 3739] | 7533 | [3053, 6977] |
| 637 | [1199, 1200] | 2936 | [4483, 4484] | 5235 | [6754, 6755] | 7534 | [6498, 8327] |
| 638 | [1201, 1202] | 2937 | [4485, 860]  | 5236 | [6756, 3874] | 7535 | [8328, 6693] |
| 639 | [1203, 1204] | 2938 | [4486, 1719] | 5237 | [3394, 6757] | 7536 | [1399, 1376] |
| 640 | [1205, 1206] | 2939 | [1930, 2426] | 5238 | [6758, 6752] | 7537 | [8329, 6855] |
| 641 | [1207, 1208] | 2940 | [4487, 4488] | 5239 | [6367, 351]  | 7538 | [2993, 8330] |
| 642 | [1209, 1210] | 2941 | [4489, 4490] | 5240 | [103, 6360]  | 7539 | [2889, 1298] |
| 643 | [1211, 1212] | 2942 | [4491, 661]  | 5241 | [5948, 2812] | 7540 | [2706, 3583] |
| 644 | [1213, 25]   | 2943 | [2320, 2620] | 5242 | [4112, 6531] | 7541 | [6348, 3600] |
| 645 | [1214, 1215] | 2944 | [4492, 515]  | 5243 | [6716, 3096] | 7542 | [5783, 3928] |
| 646 | [1216, 1217] | 2945 | [4493, 4494] | 5244 | [6759, 1038] | 7543 | [8331, 308]  |
| 647 | [1218, 1219] | 2946 | [4495, 528]  | 5245 | [3562, 6760] | 7544 | [8332, 3646] |
| 648 | [1220, 1221] | 2947 | [4496, 835]  | 5246 | [6761, 3026] | 7545 | [8333, 8334] |
| 649 | [1222, 1223] | 2948 | [4497, 4498] | 5247 | [6589, 3765] | 7546 | [8335, 6355] |
| 650 | [1224, 1225] | 2949 | [4499, 1834] | 5248 | [6599, 6762] | 7547 | [914, 8336]  |
| 651 | [1226, 1227] | 2950 | [4500, 2485] | 5249 | [6763, 6764] | 7548 | [8337, 1151] |
| 652 | [1228, 891]  | 2951 | [4501, 742]  | 5250 | [6461, 6765] | 7549 | [8338, 8339] |
| 653 | [1126, 1229] | 2952 | [2507, 4502] | 5251 | [6766, 6767] | 7550 | [8220, 2807] |
| 654 | [1230, 1231] | 2953 | [4284, 4503] | 5252 | [6152, 1378] | 7551 | [4161, 6396] |
| 655 | [882, 1232]  | 2954 | [4504, 50]   | 5253 | [6680, 91]   | 7552 | [8340, 5809] |
| 656 | [1130, 1233] | 2955 | [4505, 4506] | 5254 | [1106, 413]  | 7553 | [1269, 5972] |
| 657 | [1234, 1235] | 2956 | [4507, 4508] | 5255 | [6768, 6053] | 7554 | [3641, 6565] |
| 658 | [1236, 1237] | 2957 | [4509, 4249] | 5256 | [6769, 1419] | 7555 | [5890, 2932] |
| 659 | [1238, 1239] | 2958 | [2035, 4510] | 5257 | [6770, 3734] | 7556 | [3807, 3559] |
| 660 | [1240, 1241] | 2959 | [4511, 4512] | 5258 | [6771, 6772] | 7557 | [6933, 1549] |
| 661 | [1242, 1243] | 2960 | [4513, 4514] | 5259 | [3613, 4146] | 7558 | [8341, 3818] |
| 662 | [1244, 1245] | 2961 | [4515, 2177] | 5260 | [6773, 6774] | 7559 | [8342, 3182] |
| 663 | [1246, 1247] | 2962 | [4516, 1613] | 5261 | [6775, 3921] | 7560 | [5807, 1025] |

|     |              |      |              |      |              |      |              |
|-----|--------------|------|--------------|------|--------------|------|--------------|
| 664 | [1248, 1249] | 2963 | [4517, 1798] | 5262 | [6776, 2726] | 7561 | [5945, 3954] |
| 665 | [1250, 1251] | 2964 | [4254, 4518] | 5263 | [6777, 6778] | 7562 | [1339, 8310] |
| 666 | [1252, 1253] | 2965 | [4519, 1903] | 5264 | [6779, 1013] | 7563 | [8343, 8344] |
| 667 | [1254, 1255] | 2966 | [4520, 2132] | 5265 | [6780, 2874] | 7564 | [5919, 8145] |
| 668 | [1256, 1257] | 2967 | [4521, 4522] | 5266 | [6781, 3144] | 7565 | [1427, 8345] |
| 669 | [1258, 1259] | 2968 | [4523, 4524] | 5267 | [1226, 6727] | 7566 | [8346, 6921] |
| 670 | [1260, 1261] | 2969 | [4525, 4526] | 5268 | [3257, 987]  | 7567 | [8347, 8348] |
| 671 | [1262, 1263] | 2970 | [4527, 692]  | 5269 | [6429, 2858] | 7568 | [8170, 3058] |
| 672 | [1264, 1265] | 2971 | [4528, 4529] | 5270 | [6726, 1227] | 7569 | [3471, 3751] |
| 673 | [1266, 1083] | 2972 | [4530, 2694] | 5271 | [6782, 3499] | 7570 | [5801, 8349] |
| 674 | [1267, 1268] | 2973 | [4255, 1966] | 5272 | [6392, 6628] | 7571 | [1361, 8201] |
| 675 | [1269, 1270] | 2974 | [4531, 2191] | 5273 | [3499, 449]  | 7572 | [4080, 8314] |
| 676 | [1271, 1272] | 2975 | [4532, 1863] | 5274 | [1301, 6783] | 7573 | [8350, 3509] |
| 677 | [1273, 340]  | 2976 | [4533, 589]  | 5275 | [6784, 6139] | 7574 | [8351, 3880] |
| 678 | [1274, 1275] | 2977 | [2637, 2219] | 5276 | [6290, 4141] | 7575 | [8352, 916]  |
| 679 | [1276, 1277] | 2978 | [4534, 4535] | 5277 | [6785, 2961] | 7576 | [8353, 1272] |
| 680 | [310, 1278]  | 2979 | [4536, 4537] | 5278 | [6786, 6787] | 7577 | [1000, 2880] |
| 681 | [1279, 1280] | 2980 | [4538, 2633] | 5279 | [3633, 1471] | 7578 | [8354, 4015] |
| 682 | [1281, 1282] | 2981 | [4539, 4540] | 5280 | [6788, 6789] | 7579 | [8355, 438]  |
| 683 | [1283, 1284] | 2982 | [2109, 4541] | 5281 | [6790, 6061] | 7580 | [3781, 8356] |
| 684 | [1285, 1286] | 2983 | [1811, 624]  | 5282 | [6791, 6792] | 7581 | [4138, 6003] |
| 685 | [1287, 1288] | 2984 | [1813, 844]  | 5283 | [97, 1042]   | 7582 | [3918, 6363] |
| 686 | [1289, 1290] | 2985 | [4542, 4543] | 5284 | [6793, 3405] | 7583 | [8357, 6046] |
| 687 | [1291, 1292] | 2986 | [4544, 4545] | 5285 | [6794, 5938] | 7584 | [3784, 6489] |
| 688 | [1293, 1012] | 2987 | [4546, 4547] | 5286 | [69, 3195]   | 7585 | [8358, 972]  |
| 689 | [1294, 1295] | 2988 | [4548, 4549] | 5287 | [6795, 6299] | 7586 | [3137, 3603] |
| 690 | [1296, 1297] | 2989 | [4550, 4551] | 5288 | [6796, 3263] | 7587 | [8359, 8360] |
| 691 | [1298, 1299] | 2990 | [4552, 1711] | 5289 | [3240, 6797] | 7588 | [3882, 1230] |
| 692 | [1300, 1144] | 2991 | [1845, 4553] | 5290 | [6798, 6799] | 7589 | [8361, 6251] |
| 693 | [1301, 1302] | 2992 | [4554, 171]  | 5291 | [3495, 6800] | 7590 | [6985, 2937] |
| 694 | [1303, 1304] | 2993 | [4555, 2039] | 5292 | [2898, 4063] | 7591 | [3677, 7066] |
| 695 | [1305, 1306] | 2994 | [217, 4556]  | 5293 | [5817, 76]   | 7592 | [8362, 3949] |
| 696 | [1307, 1308] | 2995 | [4557, 213]  | 5294 | [6801, 1168] | 7593 | [6273, 6096] |
| 697 | [1309, 1310] | 2996 | [125, 4558]  | 5295 | [907, 1130]  | 7594 | [6787, 2732] |
| 698 | [1311, 1312] | 2997 | [4559, 4560] | 5296 | [6802, 2851] | 7595 | [3377, 2966] |
| 699 | [1313, 1314] | 2998 | [1965, 2573] | 5297 | [6803, 6804] | 7596 | [3154, 8280] |
| 700 | [1315, 1316] | 2999 | [4561, 4562] | 5298 | [6805, 6806] | 7597 | [8363, 8364] |
| 701 | [1317, 1318] | 3000 | [4563, 4564] | 5299 | [6807, 6808] | 7598 | [8365, 1023] |
| 702 | [329, 1319]  | 3001 | [4565, 4566] | 5300 | [6809, 6810] | 7599 | [6561, 6198] |
| 703 | [1320, 1321] | 3002 | [4567, 4568] | 5301 | [6811, 441]  | 7600 | [8366, 8367] |
| 704 | [1322, 1323] | 3003 | [2235, 4569] | 5302 | [6812, 2968] | 7601 | [8368, 6822] |
| 705 | [1324, 1325] | 3004 | [4570, 149]  | 5303 | [6194, 6574] | 7602 | [8369, 8106] |
| 706 | [1326, 1100] | 3005 | [4571, 1924] | 5304 | [6813, 6814] | 7603 | [5883, 363]  |
| 707 | [1327, 1328] | 3006 | [179, 4572]  | 5305 | [6815, 456]  | 7604 | [8370, 8371] |

|     |              |      |              |      |              |      |              |
|-----|--------------|------|--------------|------|--------------|------|--------------|
| 708 | [1329, 1330] | 3007 | [4573, 4574] | 5306 | [6164, 3328] | 7605 | [3433, 5994] |
| 709 | [1331, 1332] | 3008 | [4575, 4576] | 5307 | [6816, 4149] | 7606 | [8372, 6403] |
| 710 | [1333, 1334] | 3009 | [4577, 4578] | 5308 | [6817, 6818] | 7607 | [7059, 6207] |
| 711 | [1335, 389]  | 3010 | [4579, 4580] | 5309 | [1430, 6819] | 7608 | [8332, 6231] |
| 712 | [1336, 1337] | 3011 | [4581, 1977] | 5310 | [6820, 4100] | 7609 | [1107, 6402] |
| 713 | [1338, 1339] | 3012 | [4582, 4583] | 5311 | [6821, 2908] | 7610 | [8373, 7009] |
| 714 | [1340, 1341] | 3013 | [4584, 4556] | 5312 | [6822, 6372] | 7611 | [1393, 3693] |
| 715 | [1342, 1343] | 3014 | [2663, 4585] | 5313 | [4175, 6823] | 7612 | [6406, 8374] |
| 716 | [1344, 1345] | 3015 | [2084, 4586] | 5314 | [301, 6824]  | 7613 | [1329, 882]  |
| 717 | [1346, 1347] | 3016 | [4587, 524]  | 5315 | [1588, 324]  | 7614 | [6125, 6034] |
| 718 | [1348, 1349] | 3017 | [4588, 4589] | 5316 | [6825, 6826] | 7615 | [8375, 8376] |
| 719 | [1350, 1351] | 3018 | [4590, 4591] | 5317 | [6827, 6828] | 7616 | [8352, 3093] |
| 720 | [1352, 1353] | 3019 | [4592, 4313] | 5318 | [6540, 1028] | 7617 | [3242, 4155] |
| 721 | [1354, 1355] | 3020 | [4593, 4594] | 5319 | [6829, 6830] | 7618 | [1366, 8377] |
| 722 | [83, 24]     | 3021 | [4595, 875]  | 5320 | [6035, 6831] | 7619 | [6085, 3614] |
| 723 | [1356, 1067] | 3022 | [4596, 4597] | 5321 | [6832, 6833] | 7620 | [8378, 8379] |
| 724 | [1357, 339]  | 3023 | [4598, 4599] | 5322 | [285, 3650]  | 7621 | [5992, 2860] |
| 725 | [1358, 923]  | 3024 | [815, 4600]  | 5323 | [6834, 6835] | 7622 | [6740, 1245] |
| 726 | [1359, 1360] | 3025 | [4601, 1672] | 5324 | [6836, 6837] | 7623 | [386, 8102]  |
| 727 | [1361, 287]  | 3026 | [4602, 2267] | 5325 | [3063, 6838] | 7624 | [5918, 8380] |
| 728 | [1362, 1363] | 3027 | [2411, 61]   | 5326 | [6218, 6839] | 7625 | [8381, 3398] |
| 729 | [1364, 1365] | 3028 | [778, 1906]  | 5327 | [6840, 6587] | 7626 | [1031, 1595] |
| 730 | [1366, 1255] | 3029 | [1630, 2075] | 5328 | [3599, 119]  | 7627 | [3199, 8382] |
| 731 | [1367, 1368] | 3030 | [4603, 4604] | 5329 | [1326, 6841] | 7628 | [6766, 8383] |
| 732 | [1369, 1370] | 3031 | [4605, 4606] | 5330 | [6842, 1357] | 7629 | [4089, 3893] |
| 733 | [1371, 1372] | 3032 | [4607, 2179] | 5331 | [6843, 1526] | 7630 | [8384, 6124] |
| 734 | [1373, 1374] | 3033 | [4608, 4609] | 5332 | [3013, 6222] | 7631 | [8385, 8386] |
| 735 | [1375, 1376] | 3034 | [4250, 2484] | 5333 | [6844, 978]  | 7632 | [8196, 1409] |
| 736 | [1377, 1378] | 3035 | [4610, 2485] | 5334 | [3524, 6845] | 7633 | [8387, 8388] |
| 737 | [1379, 1380] | 3036 | [4611, 4612] | 5335 | [6846, 6847] | 7634 | [7101, 6978] |
| 738 | [1120, 1381] | 3037 | [4613, 4614] | 5336 | [6224, 428]  | 7635 | [2902, 8389] |
| 739 | [1382, 1383] | 3038 | [530, 1912]  | 5337 | [6021, 1583] | 7636 | [8289, 8390] |
| 740 | [1384, 1385] | 3039 | [4615, 232]  | 5338 | [6848, 6772] | 7637 | [8391, 6998] |
| 741 | [1386, 249]  | 3040 | [4616, 2103] | 5339 | [6849, 5941] | 7638 | [8392, 6781] |
| 742 | [1387, 1388] | 3041 | [4239, 2630] | 5340 | [6850, 6851] | 7639 | [1542, 8393] |
| 743 | [1389, 311]  | 3042 | [4617, 1735] | 5341 | [6852, 6224] | 7640 | [8394, 8395] |
| 744 | [1390, 1381] | 3043 | [4618, 4619] | 5342 | [6853, 6854] | 7641 | [8396, 3147] |
| 745 | [330, 1391]  | 3044 | [2227, 2673] | 5343 | [6773, 6855] | 7642 | [1253, 2905] |
| 746 | [1392, 407]  | 3045 | [4620, 4621] | 5344 | [902, 6856]  | 7643 | [3839, 3923] |
| 747 | [1393, 1394] | 3046 | [4622, 2098] | 5345 | [2711, 1242] | 7644 | [8397, 8398] |
| 748 | [894, 1395]  | 3047 | [4623, 2225] | 5346 | [1474, 6857] | 7645 | [5882, 1355] |
| 749 | [1090, 369]  | 3048 | [4624, 4625] | 5347 | [6858, 3189] | 7646 | [8399, 281]  |
| 750 | [1092, 1396] | 3049 | [4626, 2654] | 5348 | [6859, 3532] | 7647 | [3555, 3733] |
| 751 | [1397, 1297] | 3050 | [4627, 2349] | 5349 | [105, 6860]  | 7648 | [8400, 6631] |

|     |              |      |              |      |              |      |              |
|-----|--------------|------|--------------|------|--------------|------|--------------|
| 752 | [1398, 1399] | 3051 | [1994, 4628] | 5350 | [3167, 4097] | 7649 | [8401, 6685] |
| 753 | [1400, 1401] | 3052 | [4629, 1950] | 5351 | [6861, 6583] | 7650 | [8402, 8403] |
| 754 | [1402, 1403] | 3053 | [4630, 53]   | 5352 | [1390, 6862] | 7651 | [8404, 8405] |
| 755 | [341, 1404]  | 3054 | [4631, 4632] | 5353 | [6863, 6864] | 7652 | [8406, 3917] |
| 756 | [1405, 1135] | 3055 | [2239, 4633] | 5354 | [6865, 3351] | 7653 | [8407, 7062] |
| 757 | [1406, 918]  | 3056 | [4634, 4635] | 5355 | [6479, 3861] | 7654 | [5949, 8408] |
| 758 | [1407, 1258] | 3057 | [4532, 4636] | 5356 | [6116, 3483] | 7655 | [382, 6286]  |
| 759 | [1008, 1408] | 3058 | [480, 138]   | 5357 | [6866, 3431] | 7656 | [8409, 5919] |
| 760 | [262, 1077]  | 3059 | [606, 537]   | 5358 | [5972, 5882] | 7657 | [8410, 3156] |
| 761 | [1409, 1410] | 3060 | [4469, 2460] | 5359 | [3390, 3804] | 7658 | [8411, 6757] |
| 762 | [1411, 1412] | 3061 | [4465, 4637] | 5360 | [6867, 942]  | 7659 | [7144, 6613] |
| 763 | [1413, 1414] | 3062 | [4638, 4639] | 5361 | [5878, 6160] | 7660 | [8412, 8413] |
| 764 | [1415, 1416] | 3063 | [4277, 4265] | 5362 | [6868, 2741] | 7661 | [8414, 7125] |
| 765 | [1417, 1418] | 3064 | [4640, 2652] | 5363 | [247, 6869]  | 7662 | [8415, 6197] |
| 766 | [1419, 1420] | 3065 | [4641, 4642] | 5364 | [6014, 6279] | 7663 | [1092, 8281] |
| 767 | [1421, 1422] | 3066 | [4643, 1770] | 5365 | [6870, 6357] | 7664 | [6477, 7045] |
| 768 | [1423, 1424] | 3067 | [566, 4425]  | 5366 | [6871, 6872] | 7665 | [8414, 6517] |
| 769 | [1425, 1426] | 3068 | [4644, 4645] | 5367 | [6842, 338]  | 7666 | [6802, 8416] |
| 770 | [365, 1427]  | 3069 | [4646, 4647] | 5368 | [3296, 6873] | 7667 | [8417, 3540] |
| 771 | [1428, 1429] | 3070 | [4648, 4649] | 5369 | [6874, 2894] | 7668 | [8418, 8249] |
| 772 | [1430, 1431] | 3071 | [4650, 4651] | 5370 | [3996, 420]  | 7669 | [7020, 3791] |
| 773 | [1432, 1433] | 3072 | [4652, 2265] | 5371 | [6875, 3201] | 7670 | [6279, 1314] |
| 774 | [1026, 1434] | 3073 | [2458, 4653] | 5372 | [6876, 17]   | 7671 | [8419, 8420] |
| 775 | [1435, 1414] | 3074 | [4654, 4655] | 5373 | [2761, 6721] | 7672 | [8421, 5874] |
| 776 | [1436, 1437] | 3075 | [4656, 2053] | 5374 | [6877, 6380] | 7673 | [932, 7131]  |
| 777 | [1438, 1439] | 3076 | [4657, 4658] | 5375 | [6878, 6140] | 7674 | [6661, 6669] |
| 778 | [905, 1440]  | 3077 | [813, 4518]  | 5376 | [6879, 6880] | 7675 | [1104, 8422] |
| 779 | [1441, 1442] | 3078 | [4342, 4659] | 5377 | [6881, 6882] | 7676 | [8423, 2889] |
| 780 | [1443, 1444] | 3079 | [2466, 4660] | 5378 | [6883, 6812] | 7677 | [8424, 1416] |
| 781 | [996, 1445]  | 3080 | [4534, 873]  | 5379 | [6884, 6885] | 7678 | [8425, 4040] |
| 782 | [1446, 1447] | 3081 | [4661, 4662] | 5380 | [5910, 1074] | 7679 | [78, 3755]   |
| 783 | [1448, 1449] | 3082 | [4663, 4664] | 5381 | [6578, 1076] | 7680 | [8426, 6475] |
| 784 | [1450, 1451] | 3083 | [4665, 2705] | 5382 | [1275, 6886] | 7681 | [8169, 8403] |
| 785 | [1330, 1232] | 3084 | [4666, 4667] | 5383 | [6887, 6888] | 7682 | [3103, 5975] |
| 786 | [1452, 1030] | 3085 | [2333, 4668] | 5384 | [6755, 1432] | 7683 | [3601, 6564] |
| 787 | [90, 1453]   | 3086 | [4669, 4670] | 5385 | [6889, 1281] | 7684 | [7007, 2937] |
| 788 | [1454, 1455] | 3087 | [4671, 4672] | 5386 | [5840, 1512] | 7685 | [8427, 6425] |
| 789 | [1456, 1260] | 3088 | [4673, 4674] | 5387 | [6135, 2876] | 7686 | [8252, 8428] |
| 790 | [1024, 1457] | 3089 | [4675, 719]  | 5388 | [6890, 1278] | 7687 | [8429, 5814] |
| 791 | [1458, 1459] | 3090 | [4676, 58]   | 5389 | [3170, 5949] | 7688 | [8430, 8431] |
| 792 | [443, 25]    | 3091 | [4677, 4678] | 5390 | [6891, 6294] | 7689 | [8432, 6130] |
| 793 | [1460, 108]  | 3092 | [4679, 4335] | 5391 | [6892, 3869] | 7690 | [5865, 1036] |
| 794 | [1461, 1462] | 3093 | [4680, 663]  | 5392 | [6893, 6722] | 7691 | [1185, 7000] |
| 795 | [1463, 1092] | 3094 | [1674, 4681] | 5393 | [5811, 3413] | 7692 | [7046, 8433] |

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|-----|--------------|------|--------------|------|--------------|------|--------------|
| 796 | [1464, 1465] | 3095 | [4682, 4683] | 5394 | [6894, 6895] | 7693 | [8434, 3631] |
| 797 | [1287, 1466] | 3096 | [4684, 1935] | 5395 | [6896, 3867] | 7694 | [6645, 8254] |
| 798 | [1467, 329]  | 3097 | [4685, 2558] | 5396 | [6897, 6898] | 7695 | [4132, 265]  |
| 799 | [1468, 1469] | 3098 | [4686, 1929] | 5397 | [6455, 6899] | 7696 | [3642, 5797] |
| 800 | [1470, 1471] | 3099 | [4687, 4515] | 5398 | [6900, 6901] | 7697 | [1018, 2801] |
| 801 | [1472, 1473] | 3100 | [4688, 2093] | 5399 | [5875, 3059] | 7698 | [8435, 8436] |
| 802 | [1474, 1475] | 3101 | [4689, 4690] | 5400 | [3124, 6902] | 7699 | [8437, 8438] |
| 803 | [1476, 1477] | 3102 | [4585, 223]  | 5401 | [3899, 457]  | 7700 | [8218, 8439] |
| 804 | [1478, 1479] | 3103 | [4582, 4249] | 5402 | [6640, 6903] | 7701 | [8440, 8441] |
| 805 | [1336, 1480] | 3104 | [1816, 4691] | 5403 | [6904, 6065] | 7702 | [8442, 6697] |
| 806 | [458, 1481]  | 3105 | [4692, 4693] | 5404 | [6905, 2992] | 7703 | [3462, 5851] |
| 807 | [394, 1482]  | 3106 | [4584, 218]  | 5405 | [6906, 6283] | 7704 | [8443, 3194] |
| 808 | [1483, 1484] | 3107 | [4694, 516]  | 5406 | [6907, 3931] | 7705 | [8444, 3706] |
| 809 | [1485, 1486] | 3108 | [2404, 1784] | 5407 | [1279, 6908] | 7706 | [3745, 6184] |
| 810 | [1487, 1488] | 3109 | [4695, 4696] | 5408 | [6909, 3186] | 7707 | [3311, 8445] |
| 811 | [1489, 1490] | 3110 | [1869, 731]  | 5409 | [6910, 6911] | 7708 | [4027, 8446] |
| 812 | [1491, 1492] | 3111 | [4432, 4697] | 5410 | [2993, 267]  | 7709 | [1552, 3427] |
| 813 | [1493, 1395] | 3112 | [4698, 4699] | 5411 | [6912, 6507] | 7710 | [4053, 3093] |
| 814 | [1494, 109]  | 3113 | [830, 4700]  | 5412 | [5961, 1136] | 7711 | [8447, 8448] |
| 815 | [1323, 1495] | 3114 | [4701, 1662] | 5413 | [6913, 6914] | 7712 | [4145, 8449] |
| 816 | [1496, 1497] | 3115 | [541, 4702]  | 5414 | [3600, 1240] | 7713 | [7151, 3577] |
| 817 | [1498, 1499] | 3116 | [4703, 4704] | 5415 | [6915, 1281] | 7714 | [6752, 3612] |
| 818 | [1500, 1501] | 3117 | [4705, 4706] | 5416 | [3667, 6447] | 7715 | [1139, 2895] |
| 819 | [1502, 1503] | 3118 | [4707, 4708] | 5417 | [3525, 6916] | 7716 | [3484, 2753] |
| 820 | [1504, 1505] | 3119 | [4709, 1644] | 5418 | [2752, 3485] | 7717 | [8450, 8236] |
| 821 | [1506, 418]  | 3120 | [195, 4455]  | 5419 | [6079, 6917] | 7718 | [2793, 8345] |
| 822 | [1507, 1508] | 3121 | [4710, 4711] | 5420 | [6918, 3866] | 7719 | [2728, 1560] |
| 823 | [1509, 1510] | 3122 | [2496, 4712] | 5421 | [5999, 6335] | 7720 | [3481, 6783] |
| 824 | [1511, 1512] | 3123 | [55, 4713]   | 5422 | [6919, 3065] | 7721 | [8451, 7170] |
| 825 | [1513, 1514] | 3124 | [4714, 2297] | 5423 | [1090, 2820] | 7722 | [1476, 2749] |
| 826 | [1515, 1516] | 3125 | [4715, 4716] | 5424 | [1548, 3136] | 7723 | [3012, 6221] |
| 827 | [1517, 1518] | 3126 | [2008, 4717] | 5425 | [6920, 6921] | 7724 | [8452, 1275] |
| 828 | [1519, 1520] | 3127 | [4718, 4719] | 5426 | [6644, 6922] | 7725 | [7010, 6109] |
| 829 | [279, 1521]  | 3128 | [4720, 127]  | 5427 | [1364, 1095] | 7726 | [1459, 891]  |
| 830 | [68, 1522]   | 3129 | [4721, 233]  | 5428 | [3466, 1194] | 7727 | [8453, 1325] |
| 831 | [1523, 1524] | 3130 | [466, 4722]  | 5429 | [6923, 6542] | 7728 | [5920, 6818] |
| 832 | [1525, 1526] | 3131 | [4723, 4606] | 5430 | [6924, 6925] | 7729 | [3389, 3803] |
| 833 | [970, 1527]  | 3132 | [4724, 1684] | 5431 | [283, 6526]  | 7730 | [6999, 3379] |
| 834 | [1528, 983]  | 3133 | [4725, 4726] | 5432 | [6926, 6927] | 7731 | [8454, 6848] |
| 835 | [1529, 1530] | 3134 | [4250, 1945] | 5433 | [6928, 6346] | 7732 | [8455, 7109] |
| 836 | [1020, 1531] | 3135 | [4727, 4728] | 5434 | [3157, 1579] | 7733 | [8456, 8339] |
| 837 | [1532, 1533] | 3136 | [4688, 2018] | 5435 | [2880, 6300] | 7734 | [8457, 4023] |
| 838 | [1534, 1535] | 3137 | [2352, 2453] | 5436 | [6209, 6929] | 7735 | [897, 6368]  |
| 839 | [1232, 357]  | 3138 | [4729, 2279] | 5437 | [6930, 6931] | 7736 | [3644, 8458] |

|     |              |      |              |      |              |      |              |
|-----|--------------|------|--------------|------|--------------|------|--------------|
| 840 | [1536, 1537] | 3139 | [4730, 4731] | 5438 | [2945, 6932] | 7737 | [8459, 8460] |
| 841 | [1538, 1539] | 3140 | [4732, 4733] | 5439 | [6875, 3266] | 7738 | [1259, 6661] |
| 842 | [1540, 1541] | 3141 | [4734, 842]  | 5440 | [6933, 3136] | 7739 | [8461, 8462] |
| 843 | [1542, 1543] | 3142 | [4735, 731]  | 5441 | [5920, 6934] | 7740 | [2860, 3639] |
| 844 | [940, 1544]  | 3143 | [4736, 4737] | 5442 | [3907, 6148] | 7741 | [2943, 1536] |
| 845 | [1545, 1403] | 3144 | [4738, 4739] | 5443 | [6935, 1425] | 7742 | [7149, 3464] |
| 846 | [1546, 1547] | 3145 | [4740, 1674] | 5444 | [1248, 6936] | 7743 | [5875, 2927] |
| 847 | [1548, 1549] | 3146 | [4741, 4742] | 5445 | [6937, 6569] | 7744 | [358, 1513]  |
| 848 | [1550, 355]  | 3147 | [4743, 4744] | 5446 | [6926, 6938] | 7745 | [8463, 5905] |
| 849 | [1551, 1552] | 3148 | [4745, 4746] | 5447 | [6939, 6940] | 7746 | [8464, 8462] |
| 850 | [1553, 1554] | 3149 | [4747, 4748] | 5448 | [3822, 6941] | 7747 | [8465, 8466] |
| 851 | [294, 314]   | 3150 | [4749, 4750] | 5449 | [6942, 3287] | 7748 | [8467, 8468] |
| 852 | [1555, 1556] | 3151 | [4751, 1903] | 5450 | [966, 6943]  | 7749 | [939, 6576]  |
| 853 | [1557, 1558] | 3152 | [4752, 2496] | 5451 | [6944, 6294] | 7750 | [8469, 5909] |
| 854 | [1559, 1394] | 3153 | [4753, 4754] | 5452 | [6206, 6945] | 7751 | [251, 6436]  |
| 855 | [1560, 1561] | 3154 | [4434, 4755] | 5453 | [6946, 6947] | 7752 | [4067, 983]  |
| 856 | [1562, 1537] | 3155 | [4756, 4697] | 5454 | [254, 2938]  | 7753 | [6670, 8470] |
| 857 | [1563, 1564] | 3156 | [4757, 4758] | 5455 | [953, 2835]  | 7754 | [249, 8471]  |
| 858 | [1565, 114]  | 3157 | [673, 4759]  | 5456 | [6948, 6949] | 7755 | [1309, 8322] |
| 859 | [1566, 1335] | 3158 | [4760, 4761] | 5457 | [6950, 6742] | 7756 | [7021, 8472] |
| 860 | [1567, 93]   | 3159 | [4762, 4763] | 5458 | [3361, 6951] | 7757 | [6281, 8473] |
| 861 | [1568, 1569] | 3160 | [1615, 2112] | 5459 | [6952, 6953] | 7758 | [1049, 6257] |
| 862 | [1570, 1571] | 3161 | [4764, 4338] | 5460 | [6954, 1128] | 7759 | [8474, 2731] |
| 863 | [1572, 1573] | 3162 | [4765, 4766] | 5461 | [6955, 1309] | 7760 | [2839, 3407] |
| 864 | [1574, 1575] | 3163 | [4767, 712]  | 5462 | [6956, 3112] | 7761 | [2718, 8475] |
| 865 | [105, 422]   | 3164 | [4768, 4769] | 5463 | [6957, 6822] | 7762 | [8476, 1268] |
| 866 | [1576, 1577] | 3165 | [4770, 2532] | 5464 | [4108, 3806] | 7763 | [274, 3037]  |
| 867 | [1578, 1579] | 3166 | [4771, 4772] | 5465 | [6958, 6941] | 7764 | [8477, 8478] |
| 868 | [1580, 1581] | 3167 | [4773, 4659] | 5466 | [6959, 3379] | 7765 | [6899, 6365] |
| 869 | [1075, 1582] | 3168 | [4774, 4635] | 5467 | [6960, 6961] | 7766 | [8176, 6600] |
| 870 | [1583, 1584] | 3169 | [503, 804]   | 5468 | [6308, 3097] | 7767 | [3610, 1558] |
| 871 | [1585, 1586] | 3170 | [1749, 4775] | 5469 | [6962, 6963] | 7768 | [8479, 3574] |
| 872 | [1587, 1588] | 3171 | [719, 4776]  | 5470 | [6964, 6965] | 7769 | [270, 1008]  |
| 873 | [1589, 322]  | 3172 | [4777, 4778] | 5471 | [6257, 6604] | 7770 | [3713, 6336] |
| 874 | [1590, 1591] | 3173 | [2698, 1934] | 5472 | [3082, 3846] | 7771 | [4177, 3109] |
| 875 | [1592, 1593] | 3174 | [150, 4779]  | 5473 | [5856, 6966] | 7772 | [2954, 3902] |
| 876 | [1594, 1595] | 3175 | [4780, 4449] | 5474 | [6967, 6227] | 7773 | [4055, 6526] |
| 877 | [1596, 1334] | 3176 | [4781, 2109] | 5475 | [2921, 3553] | 7774 | [3754, 79]   |
| 878 | [1490, 934]  | 3177 | [4782, 579]  | 5476 | [2863, 6968] | 7775 | [5802, 5907] |
| 879 | [1597, 1598] | 3178 | [4783, 4784] | 5477 | [6494, 6969] | 7776 | [8480, 3343] |
| 880 | [1328, 1397] | 3179 | [4785, 4786] | 5478 | [1215, 2999] | 7777 | [2859, 3132] |
| 881 | [271, 1408]  | 3180 | [4787, 4788] | 5479 | [6970, 3356] | 7778 | [8481, 6546] |
| 882 | [1599, 686]  | 3181 | [4789, 4790] | 5480 | [6971, 6972] | 7779 | [3366, 3740] |
| 883 | [1600, 763]  | 3182 | [4791, 4792] | 5481 | [6973, 926]  | 7780 | [8482, 8483] |

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|-----|--------------|------|--------------|------|--------------|------|--------------|
| 884 | [1601, 1602] | 3183 | [4793, 796]  | 5482 | [6974, 6975] | 7781 | [8484, 8428] |
| 885 | [1603, 1604] | 3184 | [4794, 1632] | 5483 | [6976, 3529] | 7782 | [8141, 959]  |
| 886 | [1605, 1606] | 3185 | [4795, 695]  | 5484 | [2904, 2922] | 7783 | [3919, 3741] |
| 887 | [1607, 534]  | 3186 | [4796, 4797] | 5485 | [1083, 6977] | 7784 | [8346, 8485] |
| 888 | [1608, 1609] | 3187 | [4798, 4799] | 5486 | [6978, 1424] | 7785 | [6096, 2991] |
| 889 | [132, 1610]  | 3188 | [4800, 4801] | 5487 | [6573, 6195] | 7786 | [8486, 6927] |
| 890 | [1611, 1612] | 3189 | [4802, 1803] | 5488 | [6979, 2790] | 7787 | [6973, 5801] |
| 891 | [1613, 12]   | 3190 | [4554, 4694] | 5489 | [6594, 3524] | 7788 | [8487, 6678] |
| 892 | [1614, 1615] | 3191 | [2113, 4258] | 5490 | [933, 6980]  | 7789 | [8488, 6831] |
| 893 | [577, 1616]  | 3192 | [4803, 4327] | 5491 | [6239, 115]  | 7790 | [6160, 3536] |
| 894 | [1617, 1618] | 3193 | [4804, 4409] | 5492 | [6981, 6982] | 7791 | [8109, 1588] |
| 895 | [1619, 1620] | 3194 | [4437, 4805] | 5493 | [1586, 6851] | 7792 | [7113, 3520] |
| 896 | [1621, 879]  | 3195 | [4806, 4807] | 5494 | [3940, 6983] | 7793 | [1386, 3936] |
| 897 | [1622, 1623] | 3196 | [4808, 4809] | 5495 | [6984, 6020] | 7794 | [6255, 8489] |
| 898 | [1624, 1625] | 3197 | [42, 4810]   | 5496 | [6985, 254]  | 7795 | [8490, 3029] |
| 899 | [1626, 1627] | 3198 | [4811, 4812] | 5497 | [6986, 6419] | 7796 | [2960, 8491] |
| 900 | [848, 535]   | 3199 | [4813, 4814] | 5498 | [6987, 6556] | 7797 | [4163, 3985] |
| 901 | [1628, 1629] | 3200 | [4815, 4816] | 5499 | [6988, 6989] | 7798 | [8184, 6252] |
| 902 | [1630, 1631] | 3201 | [4817, 4315] | 5500 | [6484, 6577] | 7799 | [6785, 8491] |
| 903 | [1632, 1633] | 3202 | [4818, 1609] | 5501 | [3404, 6990] | 7800 | [18, 7151]   |
| 904 | [1634, 1635] | 3203 | [1996, 4819] | 5502 | [6991, 3088] | 7801 | [8492, 3964] |
| 905 | [1636, 1637] | 3204 | [4820, 711]  | 5503 | [6992, 331]  | 7802 | [6724, 1494] |
| 906 | [1638, 1639] | 3205 | [711, 4224]  | 5504 | [1012, 5843] | 7803 | [8493, 8494] |
| 907 | [1640, 1641] | 3206 | [4821, 4822] | 5505 | [6993, 2707] | 7804 | [8321, 6486] |
| 908 | [1642, 1643] | 3207 | [4823, 2368] | 5506 | [3383, 6994] | 7805 | [8495, 6675] |
| 909 | [1644, 1645] | 3208 | [4824, 547]  | 5507 | [6132, 3892] | 7806 | [3068, 8458] |
| 910 | [1646, 1647] | 3209 | [4825, 822]  | 5508 | [6381, 3167] | 7807 | [6849, 8496] |
| 911 | [1648, 1649] | 3210 | [4826, 609]  | 5509 | [3105, 6995] | 7808 | [8497, 4116] |
| 912 | [1599, 1650] | 3211 | [867, 4827]  | 5510 | [6996, 376]  | 7809 | [8498, 8499] |
| 913 | [1651, 1652] | 3212 | [4828, 503]  | 5511 | [964, 6841]  | 7810 | [8500, 8172] |
| 914 | [1653, 1654] | 3213 | [4829, 4830] | 5512 | [6997, 6998] | 7811 | [3622, 3583] |
| 915 | [1655, 1619] | 3214 | [2375, 4831] | 5513 | [6999, 1009] | 7812 | [8501, 6830] |
| 916 | [1656, 1657] | 3215 | [4377, 51]   | 5514 | [3521, 5848] | 7813 | [3993, 6297] |
| 917 | [1658, 1659] | 3216 | [2374, 4832] | 5515 | [974, 7000]  | 7814 | [6843, 7161] |
| 918 | [1660, 1661] | 3217 | [4833, 4672] | 5516 | [6100, 7001] | 7815 | [8502, 6051] |
| 919 | [1662, 1663] | 3218 | [4834, 4532] | 5517 | [7002, 1547] | 7816 | [5826, 6063] |
| 920 | [1664, 1665] | 3219 | [4835, 4836] | 5518 | [6353, 1093] | 7817 | [1536, 7128] |
| 921 | [1666, 1667] | 3220 | [4837, 174]  | 5519 | [7003, 1124] | 7818 | [6836, 8503] |
| 922 | [1668, 1669] | 3221 | [4838, 147]  | 5520 | [6738, 7004] | 7819 | [5879, 3232] |
| 923 | [1670, 195]  | 3222 | [4839, 1998] | 5521 | [67, 889]    | 7820 | [8457, 6276] |
| 924 | [1671, 1672] | 3223 | [4840, 4841] | 5522 | [7005, 4183] | 7821 | [3402, 8214] |
| 925 | [1673, 1674] | 3224 | [1943, 4306] | 5523 | [396, 7006]  | 7822 | [1465, 3333] |
| 926 | [1675, 188]  | 3225 | [2407, 1923] | 5524 | [6681, 1049] | 7823 | [5844, 6932] |
| 927 | [1676, 1677] | 3226 | [863, 2517]  | 5525 | [7007, 254]  | 7824 | [3133, 4021] |

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|-----|--------------|------|--------------|------|--------------|------|--------------|
| 928 | [1678, 1679] | 3227 | [4842, 784]  | 5526 | [7008, 7009] | 7825 | [8406, 4066] |
| 929 | [1680, 1681] | 3228 | [2295, 2311] | 5527 | [5837, 1455] | 7826 | [943, 2869]  |
| 930 | [1682, 167]  | 3229 | [4843, 4844] | 5528 | [7010, 3278] | 7827 | [8504, 7160] |
| 931 | [1683, 1684] | 3230 | [4845, 4846] | 5529 | [4092, 7011] | 7828 | [6042, 8505] |
| 932 | [1685, 1686] | 3231 | [4847, 4848] | 5530 | [7012, 7013] | 7829 | [5994, 6414] |
| 933 | [1687, 1688] | 3232 | [4849, 665]  | 5531 | [7014, 4072] | 7830 | [8297, 6416] |
| 934 | [1689, 1690] | 3233 | [4850, 4851] | 5532 | [3425, 5816] | 7831 | [6488, 6817] |
| 935 | [1691, 1692] | 3234 | [4852, 4853] | 5533 | [6350, 1256] | 7832 | [3723, 6142] |
| 936 | [1693, 1694] | 3235 | [4854, 1776] | 5534 | [3454, 4026] | 7833 | [8506, 6491] |
| 937 | [1695, 1696] | 3236 | [4855, 4856] | 5535 | [7015, 3744] | 7834 | [8507, 3851] |
| 938 | [1697, 1698] | 3237 | [4654, 4857] | 5536 | [1036, 3603] | 7835 | [1188, 3381] |
| 939 | [1699, 1700] | 3238 | [4858, 1844] | 5537 | [7016, 2995] | 7836 | [3424, 5815] |
| 940 | [1701, 627]  | 3239 | [4859, 4860] | 5538 | [7017, 3950] | 7837 | [8508, 8509] |
| 941 | [1702, 37]   | 3240 | [4861, 1875] | 5539 | [1242, 6387] | 7838 | [8358, 3704] |
| 942 | [1703, 1704] | 3241 | [4862, 4768] | 5540 | [7018, 2806] | 7839 | [8510, 6245] |
| 943 | [1705, 1706] | 3242 | [471, 747]   | 5541 | [1218, 6995] | 7840 | [1222, 3658] |
| 944 | [1707, 201]  | 3243 | [2328, 4686] | 5542 | [7019, 7020] | 7841 | [8511, 17]   |
| 945 | [1708, 1709] | 3244 | [4863, 1618] | 5543 | [70, 3369]   | 7842 | [8512, 8406] |
| 946 | [1710, 1711] | 3245 | [710, 4223]  | 5544 | [117, 1418]  | 7843 | [8513, 353]  |
| 947 | [1712, 1713] | 3246 | [4222, 4225] | 5545 | [4012, 5812] | 7844 | [3419, 8270] |
| 948 | [1714, 1715] | 3247 | [2424, 4820] | 5546 | [7021, 7022] | 7845 | [8514, 3537] |
| 949 | [1716, 1717] | 3248 | [4864, 2212] | 5547 | [6699, 7023] | 7846 | [8515, 6179] |
| 950 | [1718, 1719] | 3249 | [4865, 4866] | 5548 | [6757, 1286] | 7847 | [8211, 92]   |
| 951 | [1720, 1721] | 3250 | [2278, 2184] | 5549 | [7024, 342]  | 7848 | [6260, 8444] |
| 952 | [1722, 1723] | 3251 | [2097, 4867] | 5550 | [5980, 253]  | 7849 | [8205, 3647] |
| 953 | [1724, 530]  | 3252 | [4868, 4869] | 5551 | [3213, 3800] | 7850 | [361, 7100]  |
| 954 | [1725, 1726] | 3253 | [4726, 4841] | 5552 | [3652, 6789] | 7851 | [3985, 4179] |
| 955 | [1727, 1728] | 3254 | [4870, 4871] | 5553 | [6222, 7025] | 7852 | [8516, 4009] |
| 956 | [1729, 1730] | 3255 | [2418, 4872] | 5554 | [6859, 6955] | 7853 | [5798, 6010] |
| 957 | [1731, 1732] | 3256 | [4873, 4874] | 5555 | [7026, 1043] | 7854 | [6493, 3713] |
| 958 | [1733, 1734] | 3257 | [4875, 4876] | 5556 | [1230, 2829] | 7855 | [8517, 1171] |
| 959 | [1735, 1736] | 3258 | [2420, 4877] | 5557 | [7027, 7028] | 7856 | [321, 6704]  |
| 960 | [1737, 1738] | 3259 | [4878, 4879] | 5558 | [2870, 2812] | 7857 | [8518, 1369] |
| 961 | [1739, 1740] | 3260 | [4880, 4881] | 5559 | [6711, 7029] | 7858 | [8329, 6774] |
| 962 | [1741, 1742] | 3261 | [4882, 2235] | 5560 | [3455, 7030] | 7859 | [8519, 8520] |
| 963 | [1743, 1744] | 3262 | [4883, 773]  | 5561 | [7031, 4072] | 7860 | [7086, 1318] |
| 964 | [1745, 177]  | 3263 | [4374, 4884] | 5562 | [3281, 6943] | 7861 | [8521, 1287] |
| 965 | [490, 1746]  | 3264 | [702, 1881]  | 5563 | [7032, 4094] | 7862 | [8325, 3849] |
| 966 | [1747, 563]  | 3265 | [4885, 2171] | 5564 | [7033, 7034] | 7863 | [8522, 5829] |
| 967 | [1748, 1749] | 3266 | [4886, 4731] | 5565 | [6937, 7035] | 7864 | [6203, 6265] |
| 968 | [1750, 1751] | 3267 | [4887, 4888] | 5566 | [7036, 6989] | 7865 | [3812, 8523] |
| 969 | [1752, 1753] | 3268 | [4889, 821]  | 5567 | [6040, 3892] | 7866 | [6439, 8390] |
| 970 | [1754, 1755] | 3269 | [4853, 2234] | 5568 | [6575, 2897] | 7867 | [8519, 8441] |
| 971 | [1756, 1757] | 3270 | [4890, 4891] | 5569 | [6791, 962]  | 7868 | [5985, 7129] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 972  | [1758, 867]  | 3271 | [4892, 4893] | 5570 | [6712, 2788] | 7869 | [900, 8524]  |
| 973  | [1759, 669]  | 3272 | [4894, 2683] | 5571 | [7037, 3312] | 7870 | [1513, 6412] |
| 974  | [1760, 491]  | 3273 | [4895, 4896] | 5572 | [7038, 6174] | 7871 | [7117, 8525] |
| 975  | [1761, 1762] | 3274 | [4897, 4779] | 5573 | [5991, 2925] | 7872 | [6245, 3003] |
| 976  | [1763, 788]  | 3275 | [4898, 4899] | 5574 | [294, 6262]  | 7873 | [8526, 6666] |
| 977  | [1764, 1765] | 3276 | [4900, 4901] | 5575 | [6431, 5992] | 7874 | [8527, 6137] |
| 978  | [1766, 1767] | 3277 | [4902, 2236] | 5576 | [7039, 7040] | 7875 | [2725, 7156] |
| 979  | [1768, 1769] | 3278 | [4903, 4904] | 5577 | [7041, 6340] | 7876 | [337, 5805]  |
| 980  | [848, 1770]  | 3279 | [4905, 4906] | 5578 | [7042, 7043] | 7877 | [8528, 6826] |
| 981  | [1771, 1772] | 3280 | [4647, 4907] | 5579 | [1174, 3367] | 7878 | [260, 8327]  |
| 982  | [1773, 1774] | 3281 | [4908, 1709] | 5580 | [2818, 5979] | 7879 | [2867, 344]  |
| 983  | [1775, 1776] | 3282 | [2534, 4909] | 5581 | [7044, 7045] | 7880 | [368, 2820]  |
| 984  | [1777, 1778] | 3283 | [4910, 1625] | 5582 | [3421, 3663] | 7881 | [8529, 5867] |
| 985  | [876, 1716]  | 3284 | [4911, 4912] | 5583 | [4102, 6374] | 7882 | [8530, 8531] |
| 986  | [1779, 1780] | 3285 | [4913, 2067] | 5584 | [7046, 2816] | 7883 | [6180, 6061] |
| 987  | [32, 1781]   | 3286 | [1933, 4914] | 5585 | [1193, 3467] | 7884 | [3026, 3334] |
| 988  | [1782, 1783] | 3287 | [4915, 4916] | 5586 | [7047, 3979] | 7885 | [3333, 6317] |
| 989  | [579, 1784]  | 3288 | [4917, 4918] | 5587 | [6214, 2963] | 7886 | [8532, 2948] |
| 990  | [1785, 1786] | 3289 | [4919, 4920] | 5588 | [7048, 7049] | 7887 | [2850, 8416] |
| 991  | [1787, 1788] | 3290 | [4921, 4922] | 5589 | [2797, 6691] | 7888 | [3691, 4052] |
| 992  | [1789, 1790] | 3291 | [4923, 4924] | 5590 | [7050, 7051] | 7889 | [8533, 8534] |
| 993  | [1791, 1792] | 3292 | [4925, 612]  | 5591 | [7052, 250]  | 7890 | [3340, 905]  |
| 994  | [1793, 1794] | 3293 | [4365, 163]  | 5592 | [3024, 3423] | 7891 | [8535, 2960] |
| 995  | [1795, 1796] | 3294 | [4378, 52]   | 5593 | [7053, 5894] | 7892 | [2771, 8536] |
| 996  | [1797, 1798] | 3295 | [4382, 4926] | 5594 | [7054, 3062] | 7893 | [8537, 8538] |
| 997  | [1799, 1800] | 3296 | [4927, 4928] | 5595 | [6056, 3956] | 7894 | [96, 1041]   |
| 998  | [1801, 1802] | 3297 | [4929, 573]  | 5596 | [4171, 3334] | 7895 | [6471, 376]  |
| 999  | [1803, 1804] | 3298 | [4287, 758]  | 5597 | [97, 6487]   | 7896 | [3271, 8135] |
| 1000 | [1805, 1806] | 3299 | [4930, 756]  | 5598 | [7055, 3269] | 7897 | [8539, 8171] |
| 1001 | [1807, 1808] | 3300 | [4931, 4932] | 5599 | [4069, 1006] | 7898 | [295, 6090]  |
| 1002 | [806, 1809]  | 3301 | [4933, 4934] | 5600 | [3052, 1083] | 7899 | [8540, 1171] |
| 1003 | [1810, 1811] | 3302 | [4935, 2295] | 5601 | [4174, 3142] | 7900 | [8541, 6800] |
| 1004 | [1812, 1813] | 3303 | [4936, 4297] | 5602 | [7056, 392]  | 7901 | [3406, 3388] |
| 1005 | [1814, 625]  | 3304 | [2419, 4439] | 5603 | [7057, 7043] | 7902 | [8542, 3459] |
| 1006 | [601, 1815]  | 3305 | [4817, 4937] | 5604 | [3987, 6743] | 7903 | [1254, 8377] |
| 1007 | [1816, 1817] | 3306 | [4938, 4939] | 5605 | [3303, 365]  | 7904 | [3321, 6619] |
| 1008 | [1818, 1819] | 3307 | [2146, 4940] | 5606 | [2748, 1477] | 7905 | [8543, 6887] |
| 1009 | [1820, 1821] | 3308 | [4941, 226]  | 5607 | [3131, 3169] | 7906 | [8179, 6243] |
| 1010 | [1822, 1823] | 3309 | [4942, 4943] | 5608 | [3053, 1084] | 7907 | [2849, 8174] |
| 1011 | [1640, 1824] | 3310 | [4944, 1838] | 5609 | [3055, 3322] | 7908 | [1151, 8544] |
| 1012 | [1825, 1826] | 3311 | [4945, 4946] | 5610 | [4154, 7058] | 7909 | [1576, 6143] |
| 1013 | [1827, 1828] | 3312 | [4947, 1954] | 5611 | [7059, 1425] | 7910 | [6780, 8545] |
| 1014 | [1829, 1830] | 3313 | [4948, 2462] | 5612 | [3837, 7004] | 7911 | [8546, 1449] |
| 1015 | [1831, 1832] | 3314 | [4949, 4950] | 5613 | [7060, 6707] | 7912 | [8547, 7129] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1016 | [1833, 1819] | 3315 | [498, 4951]  | 5614 | [29, 379]    | 7913 | [3496, 1290] |
| 1017 | [1834, 1835] | 3316 | [4952, 4796] | 5615 | [3964, 6156] | 7914 | [8168, 8402] |
| 1018 | [1836, 1837] | 3317 | [4953, 4681] | 5616 | [1312, 3449] | 7915 | [3247, 5981] |
| 1019 | [1838, 855]  | 3318 | [2202, 4954] | 5617 | [7061, 7062] | 7916 | [8548, 3310] |
| 1020 | [1775, 1839] | 3319 | [4463, 4955] | 5618 | [7003, 2883] | 7917 | [8549, 1363] |
| 1021 | [1840, 42]   | 3320 | [4956, 4957] | 5619 | [84, 970]    | 7918 | [8550, 8551] |
| 1022 | [1841, 1842] | 3321 | [1739, 2271] | 5620 | [7063, 6885] | 7919 | [6175, 3447] |
| 1023 | [1843, 1844] | 3322 | [4632, 4958] | 5621 | [3215, 443]  | 7920 | [8552, 8553] |
| 1024 | [489, 1845]  | 3323 | [4959, 2415] | 5622 | [7064, 4167] | 7921 | [8554, 2936] |
| 1025 | [1846, 1847] | 3324 | [4596, 784]  | 5623 | [7065, 7066] | 7922 | [1289, 3497] |
| 1026 | [1848, 1849] | 3325 | [4960, 4646] | 5624 | [7067, 895]  | 7923 | [8555, 90]   |
| 1027 | [1850, 1851] | 3326 | [4961, 4962] | 5625 | [886, 6624]  | 7924 | [8556, 4057] |
| 1028 | [1852, 1853] | 3327 | [4963, 493]  | 5626 | [1566, 4155] | 7925 | [4023, 6497] |
| 1029 | [1854, 1855] | 3328 | [4964, 4965] | 5627 | [7068, 1034] | 7926 | [3327, 6165] |
| 1030 | [1856, 1857] | 3329 | [2561, 4601] | 5628 | [7069, 6501] | 7927 | [1046, 6352] |
| 1031 | [1858, 1859] | 3330 | [4966, 4217] | 5629 | [7070, 1444] | 7928 | [8557, 3502] |
| 1032 | [1860, 1861] | 3331 | [4967, 4806] | 5630 | [3867, 3239] | 7929 | [8558, 1388] |
| 1033 | [1862, 1863] | 3332 | [770, 4968]  | 5631 | [272, 3890]  | 7930 | [2821, 8559] |
| 1034 | [1864, 1865] | 3333 | [2514, 4969] | 5632 | [7071, 7072] | 7931 | [8560, 3773] |
| 1035 | [14, 1866]   | 3334 | [4970, 728]  | 5633 | [6662, 6908] | 7932 | [8486, 6938] |
| 1036 | [1867, 694]  | 3335 | [4971, 4860] | 5634 | [7073, 2897] | 7933 | [309, 6890]  |
| 1037 | [1868, 1869] | 3336 | [4842, 4597] | 5635 | [402, 6400]  | 7934 | [7163, 7120] |
| 1038 | [1870, 1871] | 3337 | [4972, 4973] | 5636 | [6879, 7074] | 7935 | [6302, 8444] |
| 1039 | [1872, 1873] | 3338 | [4974, 4975] | 5637 | [7075, 6443] | 7936 | [8561, 3102] |
| 1040 | [1874, 1875] | 3339 | [4976, 4802] | 5638 | [6984, 5787] | 7937 | [3680, 3767] |
| 1041 | [1876, 1877] | 3340 | [4977, 4290] | 5639 | [7076, 7077] | 7938 | [8562, 337]  |
| 1042 | [1878, 1855] | 3341 | [4203, 539]  | 5640 | [89, 7078]   | 7939 | [8563, 2917] |
| 1043 | [1879, 680]  | 3342 | [2568, 1956] | 5641 | [7079, 2728] | 7940 | [8564, 2757] |
| 1044 | [1880, 726]  | 3343 | [2370, 4476] | 5642 | [7080, 7081] | 7941 | [6451, 6399] |
| 1045 | [1881, 1882] | 3344 | [872, 4535]  | 5643 | [5816, 76]   | 7942 | [8565, 3636] |
| 1046 | [1883, 1884] | 3345 | [2419, 4978] | 5644 | [7082, 7083] | 7943 | [8566, 6559] |
| 1047 | [1885, 780]  | 3346 | [2207, 4979] | 5645 | [3510, 7084] | 7944 | [8567, 6509] |
| 1048 | [1886, 1887] | 3347 | [4980, 2504] | 5646 | [6224, 6503] | 7945 | [8568, 344]  |
| 1049 | [1888, 1889] | 3348 | [4981, 4982] | 5647 | [7085, 7086] | 7946 | [8569, 8570] |
| 1050 | [1890, 1891] | 3349 | [729, 1783]  | 5648 | [3775, 6796] | 7947 | [2815, 8433] |
| 1051 | [1892, 1893] | 3350 | [4983, 807]  | 5649 | [3983, 3784] | 7948 | [289, 8571]  |
| 1052 | [1894, 1895] | 3351 | [2607, 1848] | 5650 | [3206, 6075] | 7949 | [8572, 1441] |
| 1053 | [1896, 1897] | 3352 | [4984, 2364] | 5651 | [3962, 3439] | 7950 | [983, 3301]  |
| 1054 | [1898, 1899] | 3353 | [4985, 4261] | 5652 | [7087, 287]  | 7951 | [8573, 1190] |
| 1055 | [1900, 1901] | 3354 | [4986, 1968] | 5653 | [259, 2798]  | 7952 | [8574, 403]  |
| 1056 | [1902, 10]   | 3355 | [4987, 4801] | 5654 | [3294, 5921] | 7953 | [4000, 8575] |
| 1057 | [1903, 1904] | 3356 | [4988, 2002] | 5655 | [7088, 3283] | 7954 | [2849, 6732] |
| 1058 | [1701, 1905] | 3357 | [4675, 2221] | 5656 | [7089, 3460] | 7955 | [922, 8408]  |
| 1059 | [1906, 1907] | 3358 | [4989, 4990] | 5657 | [1392, 5967] | 7956 | [6728, 3593] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1060 | [1908, 1909] | 3359 | [4187, 2492] | 5658 | [7090, 1373] | 7957 | [8576, 7081] |
| 1061 | [1910, 1736] | 3360 | [4991, 4992] | 5659 | [1304, 2996] | 7958 | [8577, 3148] |
| 1062 | [1911, 1912] | 3361 | [4993, 4994] | 5660 | [7091, 7092] | 7959 | [257, 4179]  |
| 1063 | [36, 1913]   | 3362 | [4995, 4996] | 5661 | [7093, 7094] | 7960 | [3962, 6668] |
| 1064 | [1914, 1915] | 3363 | [233, 2203]  | 5662 | [7095, 2713] | 7961 | [6272, 5799] |
| 1065 | [1916, 1917] | 3364 | [4960, 4997] | 5663 | [6351, 394]  | 7962 | [6204, 74]   |
| 1066 | [1918, 1919] | 3365 | [4998, 2118] | 5664 | [7096, 3593] | 7963 | [3883, 408]  |
| 1067 | [1920, 1878] | 3366 | [4999, 2047] | 5665 | [3854, 7097] | 7964 | [8578, 8579] |
| 1068 | [1921, 1922] | 3367 | [4810, 5000] | 5666 | [7098, 6281] | 7965 | [6405, 8580] |
| 1069 | [1923, 1924] | 3368 | [5001, 1891] | 5667 | [4070, 3353] | 7966 | [6747, 4065] |
| 1070 | [1925, 1926] | 3369 | [5002, 2080] | 5668 | [2942, 3774] | 7967 | [6, 6238]    |
| 1071 | [1927, 203]  | 3370 | [5003, 4494] | 5669 | [3761, 3481] | 7968 | [8581, 2828] |
| 1072 | [1928, 575]  | 3371 | [5004, 2508] | 5670 | [7099, 7100] | 7969 | [8582, 8583] |
| 1073 | [1929, 1930] | 3372 | [5005, 5006] | 5671 | [4114, 6857] | 7970 | [3212, 3168] |
| 1074 | [1931, 1932] | 3373 | [5007, 2600] | 5672 | [7101, 1423] | 7971 | [1139, 1215] |
| 1075 | [1933, 1934] | 3374 | [5008, 1990] | 5673 | [3619, 2770] | 7972 | [8584, 8585] |
| 1076 | [1935, 1936] | 3375 | [2464, 5009] | 5674 | [7102, 3088] | 7973 | [6512, 2992] |
| 1077 | [1937, 1938] | 3376 | [5010, 660]  | 5675 | [7103, 6911] | 7974 | [8586, 6216] |
| 1078 | [1939, 1940] | 3377 | [5011, 5012] | 5676 | [6788, 3653] | 7975 | [6251, 8185] |
| 1079 | [1941, 1942] | 3378 | [5013, 4502] | 5677 | [7104, 3047] | 7976 | [3119, 5790] |
| 1080 | [1943, 1944] | 3379 | [5014, 552]  | 5678 | [7105, 1093] | 7977 | [8587, 1284] |
| 1081 | [1945, 1946] | 3380 | [4295, 4874] | 5679 | [7106, 7107] | 7978 | [3654, 8588] |
| 1082 | [1947, 1948] | 3381 | [5015, 5016] | 5680 | [7108, 7109] | 7979 | [8589, 6674] |
| 1083 | [1949, 846]  | 3382 | [5017, 5018] | 5681 | [7110, 4056] | 7980 | [5940, 8496] |
| 1084 | [1950, 1951] | 3383 | [1890, 5019] | 5682 | [7111, 111]  | 7981 | [6784, 6018] |
| 1085 | [1709, 1952] | 3384 | [5020, 5021] | 5683 | [7112, 1261] | 7982 | [5976, 6156] |
| 1086 | [1953, 1954] | 3385 | [5022, 4242] | 5684 | [7113, 3788] | 7983 | [8590, 8438] |
| 1087 | [1955, 1956] | 3386 | [5023, 2592] | 5685 | [7114, 7115] | 7984 | [5833, 6975] |
| 1088 | [553, 1957]  | 3387 | [5024, 5025] | 5686 | [7116, 7044] | 7985 | [8591, 6839] |
| 1089 | [1958, 710]  | 3388 | [5026, 5027] | 5687 | [1094, 1365] | 7986 | [3898, 1195] |
| 1090 | [1959, 1960] | 3389 | [2696, 5028] | 5688 | [7117, 4134] | 7987 | [8306, 8571] |
| 1091 | [1961, 1962] | 3390 | [5029, 207]  | 5689 | [7118, 6206] | 7988 | [8592, 6925] |
| 1092 | [1963, 73]   | 3391 | [5030, 1933] | 5690 | [6273, 2990] | 7989 | [8593, 6828] |
| 1093 | [1964, 1965] | 3392 | [469, 5031]  | 5691 | [7119, 3695] | 7990 | [6715, 6869] |
| 1094 | [1966, 1967] | 3393 | [2573, 5032] | 5692 | [1404, 7120] | 7991 | [7095, 1319] |
| 1095 | [1968, 1969] | 3394 | [1680, 5033] | 5693 | [7121, 7122] | 7992 | [4166, 8594] |
| 1096 | [1970, 1971] | 3395 | [5034, 2685] | 5694 | [995, 3437]  | 7993 | [8595, 1089] |
| 1097 | [1972, 1602] | 3396 | [5035, 2666] | 5695 | [6845, 6916] | 7994 | [8596, 5963] |
| 1098 | [1973, 1974] | 3397 | [875, 5036]  | 5696 | [7123, 3046] | 7995 | [8597, 6112] |
| 1099 | [518, 1975]  | 3398 | [5037, 4584] | 5697 | [1223, 3659] | 7996 | [94, 5785]   |
| 1100 | [1976, 1977] | 3399 | [5038, 5039] | 5698 | [7124, 6384] | 7997 | [6309, 6191] |
| 1101 | [1978, 1979] | 3400 | [5040, 5041] | 5699 | [6516, 7125] | 7998 | [8598, 3008] |
| 1102 | [1980, 1981] | 3401 | [185, 4609]  | 5700 | [7126, 7127] | 7999 | [8599, 1225] |
| 1103 | [1982, 1983] | 3402 | [5042, 2527] | 5701 | [1562, 7128] | 8000 | [8600, 2994] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1104 | [1984, 1985] | 3403 | [5043, 5044] | 5702 | [7129, 6068] | 8001 | [6023, 3569] |
| 1105 | [12, 1986]   | 3404 | [4259, 4715] | 5703 | [7130, 7131] | 8002 | [8601, 8602] |
| 1106 | [1987, 1988] | 3405 | [5045, 5046] | 5704 | [7132, 6128] | 8003 | [8603, 8604] |
| 1107 | [1989, 1990] | 3406 | [2104, 2229] | 5705 | [3972, 1288] | 8004 | [6377, 8605] |
| 1108 | [1991, 1992] | 3407 | [5047, 2417] | 5706 | [6905, 4050] | 8005 | [8606, 8607] |
| 1109 | [1993, 1994] | 3408 | [5048, 5049] | 5707 | [7133, 6810] | 8006 | [454, 1044]  |
| 1110 | [1995, 578]  | 3409 | [5050, 5051] | 5708 | [6840, 6319] | 8007 | [6445, 3185] |
| 1111 | [1996, 1997] | 3410 | [5052, 5053] | 5709 | [2804, 3673] | 8008 | [7153, 976]  |
| 1112 | [1940, 1998] | 3411 | [5054, 5055] | 5710 | [6650, 3037] | 8009 | [8608, 8609] |
| 1113 | [1999, 1985] | 3412 | [5056, 2702] | 5711 | [7134, 7017] | 8010 | [300, 2709]  |
| 1114 | [2000, 2001] | 3413 | [5057, 5058] | 5712 | [5793, 6969] | 8011 | [6537, 3365] |
| 1115 | [2002, 2003] | 3414 | [176, 5059]  | 5713 | [6335, 7135] | 8012 | [2886, 8580] |
| 1116 | [2004, 2005] | 3415 | [4687, 2176] | 5714 | [7136, 5875] | 8013 | [8610, 8364] |
| 1117 | [2006, 2007] | 3416 | [5060, 5061] | 5715 | [1038, 6823] | 8014 | [8300, 3066] |
| 1118 | [2008, 2009] | 3417 | [5062, 4988] | 5716 | [3722, 3532] | 8015 | [8611, 8178] |
| 1119 | [2010, 2011] | 3418 | [5063, 5064] | 5717 | [4101, 3293] | 8016 | [8612, 426]  |
| 1120 | [2012, 1877] | 3419 | [4428, 5065] | 5718 | [1011, 3391] | 8017 | [1407, 5910] |
| 1121 | [2013, 1601] | 3420 | [546, 5066]  | 5719 | [7137, 1502] | 8018 | [8613, 3490] |
| 1122 | [2014, 2015] | 3421 | [1985, 5067] | 5720 | [7138, 1089] | 8019 | [6565, 3635] |
| 1123 | [485, 2016]  | 3422 | [5068, 5069] | 5721 | [3780, 6634] | 8020 | [3722, 6955] |
| 1124 | [2017, 2018] | 3423 | [5070, 4827] | 5722 | [948, 949]   | 8021 | [3473, 3978] |
| 1125 | [2019, 2020] | 3424 | [5071, 5072] | 5723 | [6660, 3326] | 8022 | [8394, 8614] |
| 1126 | [2021, 2022] | 3425 | [4905, 5073] | 5724 | [7139, 3495] | 8023 | [8615, 8616] |
| 1127 | [2023, 2024] | 3426 | [4505, 2275] | 5725 | [7140, 1360] | 8024 | [8617, 3317] |
| 1128 | [2025, 2026] | 3427 | [2643, 5074] | 5726 | [908, 7141]  | 8025 | [8413, 6872] |
| 1129 | [2027, 2028] | 3428 | [2607, 4719] | 5727 | [6184, 6360] | 8026 | [8618, 5894] |
| 1130 | [1639, 1698] | 3429 | [5075, 2379] | 5728 | [3852, 7142] | 8027 | [8619, 6548] |
| 1131 | [2029, 2030] | 3430 | [5076, 4285] | 5729 | [7143, 3878] | 8028 | [8207, 924]  |
| 1132 | [2031, 2032] | 3431 | [5077, 5078] | 5730 | [3310, 1018] | 8029 | [5842, 1532] |
| 1133 | [2033, 2034] | 3432 | [4957, 5079] | 5731 | [7144, 6241] | 8030 | [8620, 6571] |
| 1134 | [2035, 768]  | 3433 | [2354, 4649] | 5732 | [7145, 7146] | 8031 | [6157, 4059] |
| 1135 | [2036, 152]  | 3434 | [5080, 1935] | 5733 | [1535, 7147] | 8032 | [393, 3906]  |
| 1136 | [2037, 212]  | 3435 | [4369, 5081] | 5734 | [7148, 7149] | 8033 | [4074, 3551] |
| 1137 | [2038, 2039] | 3436 | [5082, 2487] | 5735 | [7150, 7151] | 8034 | [4031, 8379] |
| 1138 | [2040, 2041] | 3437 | [4424, 4255] | 5736 | [7152, 3981] | 8035 | [2882, 6343] |
| 1139 | [2042, 1669] | 3438 | [5083, 4632] | 5737 | [5973, 3501] | 8036 | [5893, 8621] |
| 1140 | [2043, 2044] | 3439 | [5084, 4768] | 5738 | [3608, 4159] | 8037 | [8622, 3018] |
| 1141 | [2045, 2046] | 3440 | [4401, 5085] | 5739 | [7153, 949]  | 8038 | [1293, 3391] |
| 1142 | [2010, 734]  | 3441 | [5086, 4876] | 5740 | [3128, 3227] | 8039 | [8333, 8623] |
| 1143 | [1704, 2047] | 3442 | [5087, 594]  | 5741 | [1019, 2802] | 8040 | [8624, 8241] |
| 1144 | [2048, 512]  | 3443 | [5088, 2463] | 5742 | [7140, 7154] | 8041 | [8625, 7025] |
| 1145 | [1677, 2049] | 3444 | [5089, 1842] | 5743 | [7155, 5988] | 8042 | [8626, 7051] |
| 1146 | [2050, 739]  | 3445 | [5090, 5091] | 5744 | [6511, 1234] | 8043 | [3492, 3702] |
| 1147 | [1926, 2051] | 3446 | [2646, 5092] | 5745 | [3344, 3658] | 8044 | [8627, 8628] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1148 | [2052, 2053] | 3447 | [5093, 652]  | 5746 | [6776, 7156] | 8045 | [1029, 3533] |
| 1149 | [2054, 2055] | 3448 | [5094, 5095] | 5747 | [7157, 4129] | 8046 | [6167, 3004] |
| 1150 | [2056, 2057] | 3449 | [5096, 5097] | 5748 | [1419, 414]  | 8047 | [4147, 3554] |
| 1151 | [2058, 2059] | 3450 | [4424, 689]  | 5749 | [7158, 3046] | 8048 | [8629, 3285] |
| 1152 | [2060, 2061] | 3451 | [5098, 5099] | 5750 | [3900, 4047] | 8049 | [8630, 8588] |
| 1153 | [2062, 2063] | 3452 | [5100, 184]  | 5751 | [3744, 6618] | 8050 | [3450, 6314] |
| 1154 | [802, 2064]  | 3453 | [5101, 5102] | 5752 | [3553, 6679] | 8051 | [1569, 1231] |
| 1155 | [2065, 2066] | 3454 | [1611, 5103] | 5753 | [7159, 7160] | 8052 | [390, 3732]  |
| 1156 | [2067, 2068] | 3455 | [1998, 5104] | 5754 | [4141, 1207] | 8053 | [5914, 6886] |
| 1157 | [2069, 857]  | 3456 | [5105, 5106] | 5755 | [1525, 7161] | 8054 | [3, 8102]    |
| 1158 | [2070, 2071] | 3457 | [5107, 5108] | 5756 | [1590, 279]  | 8055 | [3756, 3832] |
| 1159 | [2072, 2073] | 3458 | [2007, 4883] | 5757 | [3456, 7162] | 8056 | [6199, 2901] |
| 1160 | [2074, 2075] | 3459 | [5109, 5110] | 5758 | [2750, 3534] | 8057 | [8631, 8632] |
| 1161 | [2076, 1813] | 3460 | [5111, 4775] | 5759 | [3660, 3314] | 8058 | [6963, 8633] |
| 1162 | [2077, 671]  | 3461 | [2405, 2521] | 5760 | [3252, 6072] | 8059 | [3322, 6620] |
| 1163 | [2078, 713]  | 3462 | [5112, 4472] | 5761 | [106, 6324]  | 8060 | [8181, 6460] |
| 1164 | [2079, 2080] | 3463 | [5113, 4748] | 5762 | [7163, 3719] | 8061 | [8634, 8616] |
| 1165 | [1994, 2081] | 3464 | [2332, 231]  | 5763 | [7164, 3543] | 8062 | [8223, 8420] |
| 1166 | [2082, 2083] | 3465 | [4766, 4940] | 5764 | [7165, 1156] | 8063 | [8635, 8636] |
| 1167 | [2084, 2085] | 3466 | [5114, 5115] | 5765 | [2856, 1068] | 8064 | [6094, 2953] |
| 1168 | [2086, 2087] | 3467 | [5116, 186]  | 5766 | [5859, 3268] | 8065 | [8637, 8295] |
| 1169 | [2088, 2089] | 3468 | [5117, 5118] | 5767 | [7166, 6123] | 8066 | [8638, 1298] |
| 1170 | [2090, 2091] | 3469 | [1800, 5119] | 5768 | [5989, 6819] | 8067 | [8639, 6450] |
| 1171 | [2092, 1828] | 3470 | [5120, 594]  | 5769 | [7167, 7168] | 8068 | [8640, 3633] |
| 1172 | [2093, 2094] | 3471 | [5121, 5122] | 5770 | [7169, 5822] | 8069 | [7041, 6145] |
| 1173 | [2095, 2096] | 3472 | [5123, 5124] | 5771 | [250, 3049]  | 8070 | [8572, 3867] |
| 1174 | [2097, 2098] | 3473 | [5125, 2667] | 5772 | [3136, 3638] | 8071 | [3395, 3187] |
| 1175 | [2099, 2100] | 3474 | [5126, 1846] | 5773 | [6807, 7170] | 8072 | [4115, 8641] |
| 1176 | [232, 2101]  | 3475 | [5127, 489]  | 5774 | [3256, 16]   | 8073 | [6017, 8559] |
| 1177 | [2102, 2103] | 3476 | [5128, 5129] | 5775 | [6720, 378]  | 8074 | [6033, 6126] |
| 1178 | [2024, 2104] | 3477 | [4970, 5130] | 5776 | [2745, 3289] | 8075 | [7073, 1140] |
| 1179 | [2105, 2106] | 3478 | [5131, 4392] | 5777 | [7171, 6481] | 8076 | [7032, 4129] |
| 1180 | [2107, 2001] | 3479 | [5132, 4857] | 5778 | [7052, 3048] | 8077 | [8484, 8253] |
| 1181 | [2108, 2109] | 3480 | [5133, 5091] | 5779 | [7172, 3146] | 8078 | [8642, 1423] |
| 1182 | [494, 2110]  | 3481 | [4792, 4311] | 5780 | [6158, 2910] | 8079 | [7064, 8594] |
| 1183 | [529, 1911]  | 3482 | [4901, 2003] | 5781 | [6370, 6888] | 8080 | [6225, 3696] |
| 1184 | [2111, 2112] | 3483 | [4233, 5134] | 5782 | [5905, 2786] | 8081 | [120, 6058]  |
| 1185 | [2113, 1846] | 3484 | [5135, 5136] | 5783 | [5086, 7173] | 8082 | [8643, 6469] |
| 1186 | [703, 1882]  | 3485 | [5137, 2048] | 5784 | [4431, 5300] | 8083 | [3954, 8607] |
| 1187 | [2114, 2115] | 3486 | [1916, 5138] | 5785 | [4573, 646]  | 8084 | [8430, 8644] |
| 1188 | [2116, 32]   | 3487 | [5139, 5140] | 5786 | [152, 4209]  | 8085 | [2786, 8645] |
| 1189 | [2117, 2118] | 3488 | [5141, 4706] | 5787 | [7174, 7175] | 8086 | [1580, 373]  |
| 1190 | [2119, 1884] | 3489 | [5142, 1890] | 5788 | [4854, 1839] | 8087 | [6787, 2781] |
| 1191 | [2120, 2121] | 3490 | [5143, 5144] | 5789 | [5132, 4655] | 8088 | [3227, 408]  |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1192 | [1808, 2122] | 3491 | [5145, 1947] | 5790 | [4708, 7176] | 8089 | [3905, 8393] |
| 1193 | [2123, 184]  | 3492 | [4861, 5146] | 5791 | [7177, 4425] | 8090 | [8646, 2854] |
| 1194 | [2124, 2125] | 3493 | [5147, 2249] | 5792 | [7178, 7179] | 8091 | [1055, 8422] |
| 1195 | [2126, 2127] | 3494 | [2069, 5148] | 5793 | [5577, 4522] | 8092 | [3316, 8647] |
| 1196 | [2128, 2129] | 3495 | [2318, 840]  | 5794 | [7180, 1887] | 8093 | [5798, 2823] |
| 1197 | [2130, 8]    | 3496 | [1873, 4633] | 5795 | [5640, 1765] | 8094 | [1296, 8648] |
| 1198 | [2131, 2132] | 3497 | [5149, 5150] | 5796 | [7181, 5650] | 8095 | [8649, 6806] |
| 1199 | [1652, 2133] | 3498 | [5151, 5152] | 5797 | [7182, 4973] | 8096 | [6465, 403]  |
| 1200 | [2134, 833]  | 3499 | [1751, 856]  | 5798 | [2360, 1811] | 8097 | [4156, 6296] |
| 1201 | [1625, 2135] | 3500 | [5153, 2307] | 5799 | [7183, 7184] | 8098 | [8650, 8651] |
| 1202 | [2136, 2137] | 3501 | [5154, 4920] | 5800 | [7185, 7186] | 8099 | [7697, 7656] |
| 1203 | [2138, 2139] | 3502 | [851, 4210]  | 5801 | [2400, 1878] | 8100 | [5389, 5084] |
| 1204 | [2140, 2141] | 3503 | [5155, 5156] | 5802 | [5171, 499]  | 8101 | [4492, 2322] |
| 1205 | [2142, 2143] | 3504 | [5157, 2637] | 5803 | [2577, 792]  | 8102 | [2684, 5630] |
| 1206 | [2144, 2145] | 3505 | [5158, 5159] | 5804 | [7187, 5095] | 8103 | [140, 8652]  |
| 1207 | [1905, 628]  | 3506 | [5160, 1945] | 5805 | [7188, 5079] | 8104 | [1885, 818]  |
| 1208 | [2146, 2147] | 3507 | [1647, 5161] | 5806 | [5125, 56]   | 8105 | [8653, 611]  |
| 1209 | [488, 2148]  | 3508 | [596, 4662]  | 5807 | [808, 7184]  | 8106 | [5358, 8059] |
| 1210 | [1789, 2149] | 3509 | [5162, 735]  | 5808 | [1771, 5662] | 8107 | [8654, 5613] |
| 1211 | [2150, 2151] | 3510 | [5163, 4726] | 5809 | [7189, 4805] | 8108 | [8655, 2584] |
| 1212 | [138, 2152]  | 3511 | [5164, 5165] | 5810 | [7190, 4927] | 8109 | [7840, 5693] |
| 1213 | [793, 53]    | 3512 | [2089, 2641] | 5811 | [2574, 1859] | 8110 | [669, 1732]  |
| 1214 | [2153, 2154] | 3513 | [5166, 4208] | 5812 | [7191, 542]  | 8111 | [8656, 7394] |
| 1215 | [2155, 2156] | 3514 | [5167, 4532] | 5813 | [5534, 5152] | 8112 | [8657, 2239] |
| 1216 | [2157, 2158] | 3515 | [5168, 5169] | 5814 | [7192, 2519] | 8113 | [73, 1963]   |
| 1217 | [2159, 1676] | 3516 | [4521, 5170] | 5815 | [7193, 149]  | 8114 | [1911, 5427] |
| 1218 | [2160, 2161] | 3517 | [5171, 4951] | 5816 | [7194, 7195] | 8115 | [7471, 2583] |
| 1219 | [2162, 2125] | 3518 | [5172, 5173] | 5817 | [7196, 151]  | 8116 | [8658, 4374] |
| 1220 | [2163, 2164] | 3519 | [5174, 5175] | 5818 | [7197, 2090] | 8117 | [7183, 809]  |
| 1221 | [2165, 2166] | 3520 | [5176, 5177] | 5819 | [2189, 5754] | 8118 | [1767, 7702] |
| 1222 | [2167, 2168] | 3521 | [5178, 1790] | 5820 | [1929, 4222] | 8119 | [726, 7589]  |
| 1223 | [829, 2169]  | 3522 | [5179, 5180] | 5821 | [472, 2337]  | 8120 | [8659, 4982] |
| 1224 | [2170, 2171] | 3523 | [5181, 5125] | 5822 | [7198, 576]  | 8121 | [4383, 8033] |
| 1225 | [2172, 2173] | 3524 | [5121, 5182] | 5823 | [1620, 753]  | 8122 | [184, 4608]  |
| 1226 | [2174, 2175] | 3525 | [5183, 4958] | 5824 | [201, 1617]  | 8123 | [1752, 2034] |
| 1227 | [2176, 2177] | 3526 | [5184, 5185] | 5825 | [2336, 752]  | 8124 | [573, 7998]  |
| 1228 | [2178, 2179] | 3527 | [5186, 2603] | 5826 | [4823, 7199] | 8125 | [4934, 8660] |
| 1229 | [2020, 2180] | 3528 | [4448, 2680] | 5827 | [7200, 7201] | 8126 | [8661, 1648] |
| 1230 | [2181, 2182] | 3529 | [5187, 5188] | 5828 | [1768, 4637] | 8127 | [8662, 1760] |
| 1231 | [877, 1717]  | 3530 | [5189, 5190] | 5829 | [5552, 4818] | 8128 | [8663, 7988] |
| 1232 | [2183, 1938] | 3531 | [5191, 2511] | 5830 | [590, 7202]  | 8129 | [8664, 1858] |
| 1233 | [2028, 2184] | 3532 | [5192, 5193] | 5831 | [7175, 5650] | 8130 | [4390, 4479] |
| 1234 | [2185, 2186] | 3533 | [1853, 4386] | 5832 | [5063, 5069] | 8131 | [5691, 2291] |
| 1235 | [1688, 2123] | 3534 | [5194, 2430] | 5833 | [4864, 2196] | 8132 | [2312, 1994] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1236 | [2187, 1871] | 3535 | [5195, 5196] | 5834 | [7203, 7204] | 8133 | [8665, 5762] |
| 1237 | [2188, 2189] | 3536 | [5197, 767]  | 5835 | [7205, 4799] | 8134 | [4659, 7921] |
| 1238 | [2190, 2191] | 3537 | [5198, 2535] | 5836 | [5587, 7206] | 8135 | [8050, 4761] |
| 1239 | [2192, 2193] | 3538 | [2181, 5199] | 5837 | [7207, 4348] | 8136 | [7838, 4463] |
| 1240 | [2194, 2195] | 3539 | [5200, 832]  | 5838 | [7208, 2651] | 8137 | [4666, 8666] |
| 1241 | [2196, 2197] | 3540 | [5201, 5202] | 5839 | [2597, 7209] | 8138 | [4576, 7491] |
| 1242 | [1731, 670]  | 3541 | [5203, 5204] | 5840 | [5748, 2647] | 8139 | [628, 560]   |
| 1243 | [2198, 2199] | 3542 | [5205, 705]  | 5841 | [2120, 7210] | 8140 | [4838, 2661] |
| 1244 | [2200, 2161] | 3543 | [5206, 4964] | 5842 | [224, 7211]  | 8141 | [666, 1737]  |
| 1245 | [2201, 2202] | 3544 | [5207, 1838] | 5843 | [7212, 7213] | 8142 | [4882, 4902] |
| 1246 | [2203, 2204] | 3545 | [5208, 4658] | 5844 | [2219, 5722] | 8143 | [8667, 4964] |
| 1247 | [2205, 2206] | 3546 | [4597, 785]  | 5845 | [5272, 4247] | 8144 | [8668, 7560] |
| 1248 | [2207, 1983] | 3547 | [500, 5209]  | 5846 | [7214, 635]  | 8145 | [8669, 821]  |
| 1249 | [2208, 2209] | 3548 | [5210, 4688] | 5847 | [1898, 2438] | 8146 | [8670, 5150] |
| 1250 | [834, 2210]  | 3549 | [5211, 4214] | 5848 | [7215, 5143] | 8147 | [7244, 8671] |
| 1251 | [1637, 2211] | 3550 | [4441, 5212] | 5849 | [7216, 2448] | 8148 | [5241, 2042] |
| 1252 | [2156, 2212] | 3551 | [617, 4755]  | 5850 | [7217, 7218] | 8149 | [8657, 1873] |
| 1253 | [2213, 703]  | 3552 | [4524, 179]  | 5851 | [5599, 1809] | 8150 | [8672, 8026] |
| 1254 | [2214, 657]  | 3553 | [5213, 1965] | 5852 | [7219, 7220] | 8151 | [8673, 4475] |
| 1255 | [857, 2215]  | 3554 | [5214, 4195] | 5853 | [2083, 7221] | 8152 | [5782, 2259] |
| 1256 | [2216, 2217] | 3555 | [5215, 831]  | 5854 | [7222, 2375] | 8153 | [7817, 7776] |
| 1257 | [2218, 2219] | 3556 | [1722, 5006] | 5855 | [7223, 4580] | 8154 | [1912, 7733] |
| 1258 | [2220, 1826] | 3557 | [5216, 4704] | 5856 | [7224, 7225] | 8155 | [1702, 5294] |
| 1259 | [2221, 2222] | 3558 | [5003, 5217] | 5857 | [7203, 518]  | 8156 | [8674, 735]  |
| 1260 | [2223, 724]  | 3559 | [5218, 2347] | 5858 | [2231, 7226] | 8157 | [7265, 7439] |
| 1261 | [2224, 2225] | 3560 | [5219, 1910] | 5859 | [7227, 4462] | 8158 | [537, 7404]  |
| 1262 | [1902, 715]  | 3561 | [5220, 4846] | 5860 | [165, 7228]  | 8159 | [8675, 7615] |
| 1263 | [2226, 2227] | 3562 | [5221, 4240] | 5861 | [7229, 2571] | 8160 | [7196, 2036] |
| 1264 | [2228, 2100] | 3563 | [2152, 5222] | 5862 | [5476, 2657] | 8161 | [8676, 7895] |
| 1265 | [2229, 2230] | 3564 | [5223, 4691] | 5863 | [5562, 34]   | 8162 | [7719, 2009] |
| 1266 | [2231, 2232] | 3565 | [4946, 213]  | 5864 | [5345, 660]  | 8163 | [8677, 4419] |
| 1267 | [235, 1800]  | 3566 | [2641, 1823] | 5865 | [7230, 692]  | 8164 | [7906, 5383] |
| 1268 | [2233, 2234] | 3567 | [4318, 5224] | 5866 | [7231, 7232] | 8165 | [845, 4328]  |
| 1269 | [2235, 2236] | 3568 | [5225, 4918] | 5867 | [7233, 7234] | 8166 | [8678, 8679] |
| 1270 | [2237, 2238] | 3569 | [2133, 1661] | 5868 | [7235, 7236] | 8167 | [8680, 7192] |
| 1271 | [1872, 2239] | 3570 | [5226, 5227] | 5869 | [5179, 7237] | 8168 | [859, 8681]  |
| 1272 | [2240, 2241] | 3571 | [5228, 5229] | 5870 | [4595, 7238] | 8169 | [4287, 2468] |
| 1273 | [2067, 2242] | 3572 | [5230, 4997] | 5871 | [4548, 4899] | 8170 | [35, 238]    |
| 1274 | [2243, 2244] | 3573 | [2459, 5231] | 5872 | [7239, 7240] | 8171 | [4295, 8014] |
| 1275 | [573, 2245]  | 3574 | [5232, 5233] | 5873 | [7241, 513]  | 8172 | [8682, 4962] |
| 1276 | [2246, 2247] | 3575 | [1760, 1746] | 5874 | [1803, 2206] | 8173 | [1, 8683]    |
| 1277 | [2248, 2249] | 3576 | [5234, 5143] | 5875 | [7242, 4928] | 8174 | [8684, 5467] |
| 1278 | [2250, 2251] | 3577 | [38, 4362]   | 5876 | [7243, 7244] | 8175 | [8685, 8686] |
| 1279 | [2252, 1796] | 3578 | [2151, 829]  | 5877 | [5662, 5242] | 8176 | [7798, 4259] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1280 | [2253, 2254] | 3579 | [2564, 2041] | 5878 | [7245, 2024] | 8177 | [5060, 8687] |
| 1281 | [2255, 2256] | 3580 | [5235, 2442] | 5879 | [7246, 2121] | 8178 | [8688, 4802] |
| 1282 | [2257, 2258] | 3581 | [174, 5236]  | 5880 | [7247, 5129] | 8179 | [4633, 5012] |
| 1283 | [2142, 2259] | 3582 | [5237, 5238] | 5881 | [7248, 4334] | 8180 | [1799, 2445] |
| 1284 | [2260, 2261] | 3583 | [5239, 2645] | 5882 | [2236, 1908] | 8181 | [2410, 7423] |
| 1285 | [2262, 2263] | 3584 | [5240, 1749] | 5883 | [2205, 1804] | 8182 | [8689, 7253] |
| 1286 | [2264, 2265] | 3585 | [5241, 1668] | 5884 | [5501, 5018] | 8183 | [7259, 7833] |
| 1287 | [2266, 2267] | 3586 | [1772, 5242] | 5885 | [7249, 7250] | 8184 | [7835, 2678] |
| 1288 | [2268, 2269] | 3587 | [5243, 5244] | 5886 | [5127, 2148] | 8185 | [8690, 2165] |
| 1289 | [2270, 2271] | 3588 | [788, 2390]  | 5887 | [7251, 5366] | 8186 | [8691, 4392] |
| 1290 | [2272, 2273] | 3589 | [5245, 4390] | 5888 | [4719, 1849] | 8187 | [8692, 5560] |
| 1291 | [2274, 2275] | 3590 | [2511, 232]  | 5889 | [7252, 7253] | 8188 | [4422, 7202] |
| 1292 | [2276, 2277] | 3591 | [5246, 4246] | 5890 | [1956, 7254] | 8189 | [467, 5276]  |
| 1293 | [2027, 2278] | 3592 | [2685, 5247] | 5891 | [7255, 1926] | 8190 | [7252, 8693] |
| 1294 | [2279, 1650] | 3593 | [5248, 5249] | 5892 | [5590, 7201] | 8191 | [7363, 2598] |
| 1295 | [2280, 2281] | 3594 | [5250, 1744] | 5893 | [5020, 7256] | 8192 | [2554, 4738] |
| 1296 | [2282, 2283] | 3595 | [5251, 5252] | 5894 | [7257, 2370] | 8193 | [8694, 7442] |
| 1297 | [2284, 1929] | 3596 | [5253, 1716] | 5895 | [7258, 1691] | 8194 | [8695, 7812] |
| 1298 | [2285, 2286] | 3597 | [697, 537]   | 5896 | [7259, 7260] | 8195 | [7696, 4323] |
| 1299 | [2287, 2288] | 3598 | [5254, 5255] | 5897 | [7261, 7262] | 8196 | [1982, 4979] |
| 1300 | [2289, 1677] | 3599 | [5256, 1663] | 5898 | [7263, 1788] | 8197 | [8696, 7784] |
| 1301 | [2290, 1837] | 3600 | [2156, 2196] | 5899 | [567, 7264]  | 8198 | [643, 7294]  |
| 1302 | [2291, 2292] | 3601 | [812, 4254]  | 5900 | [7265, 4600] | 8199 | [4194, 4523] |
| 1303 | [2293, 2294] | 3602 | [5257, 5258] | 5901 | [2338, 2424] | 8200 | [538, 4204]  |
| 1304 | [2066, 2295] | 3603 | [5259, 501]  | 5902 | [7266, 7267] | 8201 | [8697, 656]  |
| 1305 | [2296, 134]  | 3604 | [5260, 4572] | 5903 | [5650, 4871] | 8202 | [7684, 1955] |
| 1306 | [2297, 2298] | 3605 | [5261, 5097] | 5904 | [14, 7268]   | 8203 | [5282, 8698] |
| 1307 | [2299, 51]   | 3606 | [5262, 4469] | 5905 | [7269, 5623] | 8204 | [8699, 8005] |
| 1308 | [2300, 2301] | 3607 | [5263, 4191] | 5906 | [7270, 7271] | 8205 | [189, 154]   |
| 1309 | [2302, 185]  | 3608 | [4959, 5264] | 5907 | [7272, 2455] | 8206 | [8700, 7175] |
| 1310 | [2303, 2304] | 3609 | [5265, 5266] | 5908 | [7273, 2693] | 8207 | [8701, 5670] |
| 1311 | [2305, 2306] | 3610 | [726, 487]   | 5909 | [7274, 2566] | 8208 | [226, 8702]  |
| 1312 | [2307, 650]  | 3611 | [5267, 511]  | 5910 | [2697, 1933] | 8209 | [2588, 8703] |
| 1313 | [2308, 2309] | 3612 | [2486, 5268] | 5911 | [1636, 1692] | 8210 | [1617, 1621] |
| 1314 | [2310, 1686] | 3613 | [497, 2540]  | 5912 | [5731, 238]  | 8211 | [4766, 2147] |
| 1315 | [2311, 620]  | 3614 | [2519, 5214] | 5913 | [2286, 7275] | 8212 | [7919, 4400] |
| 1316 | [2312, 2313] | 3615 | [2005, 4427] | 5914 | [7276, 2223] | 8213 | [1987, 798]  |
| 1317 | [2314, 2315] | 3616 | [5269, 4248] | 5915 | [5403, 2224] | 8214 | [8704, 7191] |
| 1318 | [2316, 2317] | 3617 | [5270, 4810] | 5916 | [7277, 7278] | 8215 | [2638, 8705] |
| 1319 | [1724, 1911] | 3618 | [5271, 2623] | 5917 | [4464, 4818] | 8216 | [5393, 5512] |
| 1320 | [2318, 671]  | 3619 | [5272, 2331] | 5918 | [5219, 1735] | 8217 | [4984, 7598] |
| 1321 | [2319, 1992] | 3620 | [5042, 214]  | 5919 | [4449, 5659] | 8218 | [7990, 7206] |
| 1322 | [2320, 2321] | 3621 | [5273, 230]  | 5920 | [4359, 1781] | 8219 | [7372, 8706] |
| 1323 | [2279, 686]  | 3622 | [4431, 2659] | 5921 | [7279, 7280] | 8220 | [7245, 5612] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1324 | [514, 2322]  | 3623 | [5274, 5156] | 5922 | [5775, 5390] | 8221 | [5230, 4646] |
| 1325 | [2323, 2324] | 3624 | [5275, 4762] | 5923 | [7281, 7282] | 8222 | [8707, 1976] |
| 1326 | [2325, 647]  | 3625 | [1738, 5276] | 5924 | [7283, 5261] | 8223 | [7227, 7838] |
| 1327 | [2326, 2327] | 3626 | [2653, 5277] | 5925 | [4952, 7284] | 8224 | [8708, 5342] |
| 1328 | [2328, 2284] | 3627 | [5278, 5279] | 5926 | [2543, 7285] | 8225 | [8709, 8098] |
| 1329 | [604, 2329]  | 3628 | [5280, 4604] | 5927 | [7286, 4872] | 8226 | [8710, 8679] |
| 1330 | [2330, 2331] | 3629 | [5281, 505]  | 5928 | [7287, 4657] | 8227 | [8711, 7213] |
| 1331 | [2332, 2333] | 3630 | [645, 4574]  | 5929 | [1928, 5479] | 8228 | [1657, 7718] |
| 1332 | [2334, 2335] | 3631 | [5282, 5283] | 5930 | [7288, 60]   | 8229 | [4546, 4763] |
| 1333 | [2336, 1620] | 3632 | [128, 2525]  | 5931 | [7289, 5102] | 8230 | [8712, 5592] |
| 1334 | [2337, 2338] | 3633 | [2202, 2676] | 5932 | [7290, 7291] | 8231 | [8713, 5723] |
| 1335 | [577, 749]   | 3634 | [5284, 5285] | 5933 | [635, 7292]  | 8232 | [8714, 8019] |
| 1336 | [2339, 2340] | 3635 | [4664, 4807] | 5934 | [2101, 2257] | 8233 | [7300, 2283] |
| 1337 | [1631, 2341] | 3636 | [4244, 5286] | 5935 | [7293, 7294] | 8234 | [8715, 1601] |
| 1338 | [2342, 2343] | 3637 | [5287, 5288] | 5936 | [7295, 7261] | 8235 | [869, 5617]  |
| 1339 | [2344, 2345] | 3638 | [5289, 5290] | 5937 | [7296, 7297] | 8236 | [8716, 5781] |
| 1340 | [2346, 2347] | 3639 | [5291, 5292] | 5938 | [124, 5602]  | 8237 | [4937, 1927] |
| 1341 | [2018, 2094] | 3640 | [5293, 5294] | 5939 | [2077, 840]  | 8238 | [2130, 519]  |
| 1342 | [2348, 2349] | 3641 | [4967, 4664] | 5940 | [7298, 1647] | 8239 | [8717, 8718] |
| 1343 | [2350, 2351] | 3642 | [4219, 2360] | 5941 | [7299, 2087] | 8240 | [4231, 1660] |
| 1344 | [2352, 2353] | 3643 | [778, 5295]  | 5942 | [7300, 7301] | 8241 | [8719, 216]  |
| 1345 | [2354, 2355] | 3644 | [5296, 5297] | 5943 | [2681, 1685] | 8242 | [8720, 2058] |
| 1346 | [2356, 2357] | 3645 | [238, 1913]  | 5944 | [5428, 4744] | 8243 | [2377, 7314] |
| 1347 | [2358, 1714] | 3646 | [5298, 2534] | 5945 | [7302, 4969] | 8244 | [8721, 642]  |
| 1348 | [2359, 2360] | 3647 | [5299, 1729] | 5946 | [7303, 2524] | 8245 | [2485, 8722] |
| 1349 | [2361, 2362] | 3648 | [2658, 5300] | 5947 | [2674, 2443] | 8246 | [8723, 5611] |
| 1350 | [2363, 2364] | 3649 | [5301, 5302] | 5948 | [7304, 2223] | 8247 | [7185, 8724] |
| 1351 | [2365, 2366] | 3650 | [5303, 5304] | 5949 | [5565, 2154] | 8248 | [4537, 2115] |
| 1352 | [2367, 2368] | 3651 | [4210, 4762] | 5950 | [7305, 5492] | 8249 | [8725, 2167] |
| 1353 | [2369, 2370] | 3652 | [5160, 2484] | 5951 | [562, 7306]  | 8250 | [4530, 1814] |
| 1354 | [2371, 2372] | 3653 | [5305, 2417] | 5952 | [7307, 4231] | 8251 | [2266, 7929] |
| 1355 | [2238, 2251] | 3654 | [5306, 5307] | 5953 | [7308, 7309] | 8252 | [4485, 8681] |
| 1356 | [2373, 189]  | 3655 | [2563, 5308] | 5954 | [7310, 5763] | 8253 | [2549, 2167] |
| 1357 | [2374, 2375] | 3656 | [5309, 5310] | 5955 | [7311, 5362] | 8254 | [34, 5521]   |
| 1358 | [2376, 1671] | 3657 | [5311, 5312] | 5956 | [7312, 4292] | 8255 | [7632, 8726] |
| 1359 | [2377, 2294] | 3658 | [5313, 5314] | 5957 | [7313, 559]  | 8256 | [8727, 8728] |
| 1360 | [2378, 2379] | 3659 | [4535, 5315] | 5958 | [2107, 4808] | 8257 | [7512, 5530] |
| 1361 | [854, 2380]  | 3660 | [1658, 5316] | 5959 | [2293, 7314] | 8258 | [7571, 1917] |
| 1362 | [2381, 2382] | 3661 | [5317, 561]  | 5960 | [5736, 2415] | 8259 | [5322, 7750] |
| 1363 | [2383, 2384] | 3662 | [5318, 5319] | 5961 | [146, 4586]  | 8260 | [7421, 7510] |
| 1364 | [2385, 667]  | 3663 | [2001, 4809] | 5962 | [4322, 1695] | 8261 | [8729, 7942] |
| 1365 | [2386, 1726] | 3664 | [5320, 5321] | 5963 | [7315, 4778] | 8262 | [4780, 2680] |
| 1366 | [1989, 2387] | 3665 | [5322, 5323] | 5964 | [5265, 7316] | 8263 | [8730, 8731] |
| 1367 | [2388, 2389] | 3666 | [4762, 4547] | 5965 | [7317, 2544] | 8264 | [2134, 8732] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1368 | [2390, 2391] | 3667 | [1838, 2380] | 5966 | [5401, 7318] | 8265 | [8733, 4443] |
| 1369 | [2392, 2393] | 3668 | [5324, 639]  | 5967 | [7319, 7320] | 8266 | [2512, 7695] |
| 1370 | [2394, 1656] | 3669 | [5325, 5326] | 5968 | [7283, 5096] | 8267 | [4583, 5160] |
| 1371 | [2395, 2396] | 3670 | [5327, 4683] | 5969 | [7321, 2037] | 8268 | [2704, 7714] |
| 1372 | [2397, 2398] | 3671 | [5011, 5328] | 5970 | [7322, 2352] | 8269 | [2136, 7366] |
| 1373 | [2399, 2400] | 3672 | [5065, 4298] | 5971 | [7323, 4441] | 8270 | [8734, 4767] |
| 1374 | [2357, 2401] | 3673 | [1770, 536]  | 5972 | [598, 691]   | 8271 | [4811, 5369] |
| 1375 | [878, 2402]  | 3674 | [4315, 1927] | 5973 | [7324, 204]  | 8272 | [2220, 8067] |
| 1376 | [2403, 1617] | 3675 | [5329, 2083] | 5974 | [7325, 144]  | 8273 | [7409, 8735] |
| 1377 | [578, 2404]  | 3676 | [5330, 823]  | 5975 | [521, 4251]  | 8274 | [1956, 8736] |
| 1378 | [2405, 205]  | 3677 | [5331, 5067] | 5976 | [7326, 5106] | 8275 | [8737, 7364] |
| 1379 | [2406, 2407] | 3678 | [479, 153]   | 5977 | [2546, 7327] | 8276 | [4276, 8738] |
| 1380 | [2408, 2409] | 3679 | [1794, 5332] | 5978 | [7328, 4287] | 8277 | [8739, 5581] |
| 1381 | [1944, 2410] | 3680 | [4669, 4382] | 5979 | [7329, 2055] | 8278 | [7640, 7782] |
| 1382 | [2411, 2045] | 3681 | [5333, 654]  | 5980 | [5399, 4189] | 8279 | [8740, 7711] |
| 1383 | [2412, 2413] | 3682 | [5334, 1690] | 5981 | [7330, 7331] | 8280 | [8741, 7897] |
| 1384 | [1848, 2414] | 3683 | [230, 2333]  | 5982 | [5773, 7332] | 8281 | [8742, 8743] |
| 1385 | [2415, 1607] | 3684 | [5335, 5336] | 5983 | [7333, 4471] | 8282 | [8744, 4423] |
| 1386 | [236, 2416]  | 3685 | [2429, 5337] | 5984 | [7334, 1868] | 8283 | [7997, 4331] |
| 1387 | [2417, 1799] | 3686 | [5338, 2471] | 5985 | [634, 7335]  | 8284 | [5202, 5757] |
| 1388 | [1823, 2418] | 3687 | [5339, 2539] | 5986 | [1966, 4619] | 8285 | [7763, 806]  |
| 1389 | [692, 604]   | 3688 | [5340, 4759] | 5987 | [7336, 5096] | 8286 | [7437, 1937] |
| 1390 | [153, 190]   | 3689 | [5341, 5342] | 5988 | [7337, 5523] | 8287 | [8745, 8746] |
| 1391 | [193, 2419]  | 3690 | [1920, 1854] | 5989 | [7338, 1604] | 8288 | [4454, 2625] |
| 1392 | [2420, 2421] | 3691 | [5343, 1700] | 5990 | [2001, 677]  | 8289 | [8031, 2664] |
| 1393 | [748, 2422]  | 3692 | [5344, 5345] | 5991 | [7339, 7340] | 8290 | [5112, 8747] |
| 1394 | [2423, 749]  | 3693 | [5346, 5347] | 5992 | [2379, 1729] | 8291 | [7231, 8748] |
| 1395 | [1616, 750]  | 3694 | [2422, 2424] | 5993 | [7341, 7284] | 8292 | [5645, 5736] |
| 1396 | [1962, 1619] | 3695 | [1738, 468]  | 5994 | [5016, 603]  | 8293 | [8749, 4377] |
| 1397 | [472, 748]   | 3696 | [5348, 2288] | 5995 | [7342, 1761] | 8294 | [1634, 208]  |
| 1398 | [200, 2403]  | 3697 | [2679, 5103] | 5996 | [5539, 5204] | 8295 | [7664, 4598] |
| 1399 | [2424, 710]  | 3698 | [5349, 4589] | 5997 | [7343, 7344] | 8296 | [143, 2]     |
| 1400 | [2425, 1930] | 3699 | [4954, 5139] | 5998 | [7345, 1721] | 8297 | [5671, 5716] |
| 1401 | [2426, 2427] | 3700 | [5028, 2594] | 5999 | [7346, 5314] | 8298 | [7473, 2520] |
| 1402 | [2428, 2390] | 3701 | [5350, 5351] | 6000 | [700, 7347]  | 8299 | [8750, 5557] |
| 1403 | [2429, 2430] | 3702 | [5352, 5353] | 6001 | [1881, 7348] | 8300 | [8751, 4730] |
| 1404 | [656, 839]   | 3703 | [2153, 5354] | 6002 | [7349, 4830] | 8301 | [8752, 7667] |
| 1405 | [2431, 2432] | 3704 | [5355, 5356] | 6003 | [7350, 1755] | 8302 | [7934, 2264] |
| 1406 | [2433, 2434] | 3705 | [4923, 549]  | 6004 | [7351, 7352] | 8303 | [8753, 1870] |
| 1407 | [1695, 2435] | 3706 | [5357, 5358] | 6005 | [693, 2329]  | 8304 | [1615, 7486] |
| 1408 | [522, 2436]  | 3707 | [5359, 4490] | 6006 | [7353, 5437] | 8305 | [8754, 7739] |
| 1409 | [2437, 2106] | 3708 | [1882, 4605] | 6007 | [1960, 1959] | 8306 | [7716, 225]  |
| 1410 | [2438, 2439] | 3709 | [4764, 5360] | 6008 | [7354, 751]  | 8307 | [8755, 1890] |
| 1411 | [2440, 1667] | 3710 | [4732, 2340] | 6009 | [4813, 5115] | 8308 | [8756, 5702] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1412 | [2441, 2442] | 3711 | [5361, 4902] | 6010 | [5295, 1907] | 8309 | [8757, 5689] |
| 1413 | [825, 2142]  | 3712 | [5082, 707]  | 6011 | [5313, 7355] | 8310 | [5286, 2230] |
| 1414 | [2443, 2444] | 3713 | [5362, 4380] | 6012 | [476, 2513]  | 8311 | [4656, 7433] |
| 1415 | [2445, 2446] | 3714 | [5363, 5364] | 6013 | [7194, 7356] | 8312 | [8758, 8759] |
| 1416 | [2447, 2448] | 3715 | [5365, 5366] | 6014 | [2681, 2310] | 8313 | [8760, 8761] |
| 1417 | [2449, 2450] | 3716 | [5367, 4461] | 6015 | [4751, 5725] | 8314 | [8762, 5290] |
| 1418 | [559, 2451]  | 3717 | [5368, 5369] | 6016 | [7357, 1932] | 8315 | [8763, 7535] |
| 1419 | [2452, 2453] | 3718 | [2532, 5370] | 6017 | [7358, 709]  | 8316 | [5478, 4323] |
| 1420 | [2454, 2455] | 3719 | [657, 2199]  | 6018 | [7359, 4584] | 8317 | [4314, 4937] |
| 1421 | [2456, 1673] | 3720 | [5371, 5372] | 6019 | [5764, 4553] | 8318 | [792, 8023]  |
| 1422 | [2457, 1714] | 3721 | [5373, 5192] | 6020 | [7360, 684]  | 8319 | [8764, 2592] |
| 1423 | [2458, 775]  | 3722 | [2123, 2302] | 6021 | [4936, 5065] | 8320 | [5145, 7677] |
| 1424 | [2459, 2460] | 3723 | [5374, 2618] | 6022 | [7361, 4300] | 8321 | [1676, 7913] |
| 1425 | [2461, 227]  | 3724 | [5375, 4849] | 6023 | [7362, 7191] | 8322 | [8765, 8766] |
| 1426 | [2462, 2463] | 3725 | [5376, 5377] | 6024 | [7363, 7209] | 8323 | [1755, 4790] |
| 1427 | [2464, 2465] | 3726 | [5378, 4480] | 6025 | [5336, 7364] | 8324 | [8767, 568]  |
| 1428 | [2466, 1728] | 3727 | [5379, 4578] | 6026 | [7365, 7366] | 8325 | [8768, 4946] |
| 1429 | [1855, 2467] | 3728 | [5380, 5381] | 6027 | [2194, 2172] | 8326 | [5485, 8769] |
| 1430 | [2468, 2469] | 3729 | [5382, 5383] | 6028 | [7367, 7368] | 8327 | [8770, 5169] |
| 1431 | [2470, 2471] | 3730 | [2701, 1680] | 6029 | [4386, 4716] | 8328 | [8660, 8771] |
| 1432 | [2472, 626]  | 3731 | [5384, 4883] | 6030 | [2661, 7369] | 8329 | [7334, 7291] |
| 1433 | [2473, 2474] | 3732 | [2655, 5385] | 6031 | [7370, 4230] | 8330 | [8772, 221]  |
| 1434 | [2475, 2362] | 3733 | [5386, 4302] | 6032 | [722, 5000]  | 8331 | [8773, 8774] |
| 1435 | [2476, 2477] | 3734 | [5387, 5388] | 6033 | [7223, 7371] | 8332 | [2150, 828]  |
| 1436 | [2252, 2478] | 3735 | [5389, 4862] | 6034 | [7372, 5110] | 8333 | [5157, 2218] |
| 1437 | [705, 815]   | 3736 | [5350, 2272] | 6035 | [2187, 7373] | 8334 | [8775, 8776] |
| 1438 | [2479, 1742] | 3737 | [4280, 5390] | 6036 | [7374, 2274] | 8335 | [7388, 8777] |
| 1439 | [2480, 2481] | 3738 | [2060, 5391] | 6037 | [7375, 7376] | 8336 | [8778, 8743] |
| 1440 | [1635, 209]  | 3739 | [5392, 4279] | 6038 | [7244, 7377] | 8337 | [8779, 8780] |
| 1441 | [2482, 485]  | 3740 | [5393, 5394] | 6039 | [139, 5527]  | 8338 | [8093, 2394] |
| 1442 | [2483, 2279] | 3741 | [5395, 5396] | 6040 | [1912, 1773] | 8339 | [8781, 1734] |
| 1443 | [2484, 1946] | 3742 | [5143, 4612] | 6041 | [198, 2402]  | 8340 | [5527, 8652] |
| 1444 | [2485, 2486] | 3743 | [129, 5397]  | 6042 | [640, 5255]  | 8341 | [7516, 2278] |
| 1445 | [2487, 2488] | 3744 | [5398, 5399] | 6043 | [7378, 2304] | 8342 | [8052, 8782] |
| 1446 | [582, 2489]  | 3745 | [1958, 4820] | 6044 | [5712, 7379] | 8343 | [4519, 5725] |
| 1447 | [2490, 2491] | 3746 | [4761, 4851] | 6045 | [5068, 5064] | 8344 | [8783, 8718] |
| 1448 | [2492, 2493] | 3747 | [5400, 5401] | 6046 | [7380, 5780] | 8345 | [703, 7348]  |
| 1449 | [2494, 2495] | 3748 | [5402, 5403] | 6047 | [4385, 5391] | 8346 | [4425, 7264] |
| 1450 | [2219, 2496] | 3749 | [5404, 5405] | 6048 | [4850, 4837] | 8347 | [7828, 8058] |
| 1451 | [2497, 2498] | 3750 | [5406, 2480] | 6049 | [7381, 7382] | 8348 | [8784, 613]  |
| 1452 | [2499, 852]  | 3751 | [5407, 5408] | 6050 | [33, 5520]   | 8349 | [8785, 7380] |
| 1453 | [2500, 2501] | 3752 | [4793, 5409] | 6051 | [661, 2613]  | 8350 | [8786, 5469] |
| 1454 | [2502, 2107] | 3753 | [1780, 5410] | 6052 | [7383, 5124] | 8351 | [2108, 7392] |
| 1455 | [2503, 2504] | 3754 | [2012, 4986] | 6053 | [1726, 7384] | 8352 | [4489, 1658] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1456 | [2505, 2186] | 3755 | [5411, 5412] | 6054 | [7385, 4529] | 8353 | [5508, 5236] |
| 1457 | [2506, 2507] | 3756 | [4222, 2426] | 6055 | [5770, 5610] | 8354 | [8787, 8788] |
| 1458 | [644, 1613]  | 3757 | [750, 4686]  | 6056 | [2591, 4209] | 8355 | [1635, 8789] |
| 1459 | [2508, 1614] | 3758 | [5413, 4296] | 6057 | [7386, 7387] | 8356 | [8790, 8791] |
| 1460 | [2509, 211]  | 3759 | [5414, 5345] | 6058 | [7388, 7389] | 8357 | [815, 7439]  |
| 1461 | [134, 2090]  | 3760 | [2527, 4200] | 6059 | [7390, 7327] | 8358 | [2042, 1759] |
| 1462 | [2510, 2511] | 3761 | [5327, 5415] | 6060 | [7391, 7316] | 8359 | [8792, 4881] |
| 1463 | [2512, 1654] | 3762 | [5067, 4677] | 6061 | [7392, 4541] | 8360 | [8793, 137]  |
| 1464 | [2513, 2514] | 3763 | [5416, 5417] | 6062 | [2567, 1955] | 8361 | [5489, 8690] |
| 1465 | [2515, 2516] | 3764 | [5418, 5419] | 6063 | [7393, 7394] | 8362 | [1600, 7967] |
| 1466 | [2517, 2518] | 3765 | [5420, 5421] | 6064 | [2702, 1681] | 8363 | [4418, 8794] |
| 1467 | [2519, 2520] | 3766 | [4475, 2649] | 6065 | [7395, 7396] | 8364 | [8795, 8796] |
| 1468 | [204, 2521]  | 3767 | [5422, 4990] | 6066 | [7397, 659]  | 8365 | [1604, 4334] |
| 1469 | [2522, 732]  | 3768 | [5423, 1673] | 6067 | [7348, 4605] | 8366 | [7188, 7503] |
| 1470 | [2523, 2524] | 3769 | [5424, 2400] | 6068 | [7335, 7292] | 8367 | [8797, 8798] |
| 1471 | [2525, 2526] | 3770 | [1648, 2616] | 6069 | [4993, 4922] | 8368 | [506, 8799]  |
| 1472 | [213, 2527]  | 3771 | [5425, 1648] | 6070 | [7398, 7399] | 8369 | [4988, 4901] |
| 1473 | [2528, 2529] | 3772 | [5426, 2604] | 6071 | [7400, 1900] | 8370 | [8800, 8774] |
| 1474 | [2530, 2016] | 3773 | [5427, 1773] | 6072 | [4867, 7401] | 8371 | [8801, 7936] |
| 1475 | [2531, 2532] | 3774 | [4490, 1659] | 6073 | [852, 2072]  | 8372 | [4725, 4840] |
| 1476 | [1699, 2533] | 3775 | [5428, 5429] | 6074 | [7402, 5078] | 8373 | [4747, 5698] |
| 1477 | [2534, 2535] | 3776 | [2523, 5430] | 6075 | [794, 54]    | 8374 | [8802, 4923] |
| 1478 | [1993, 2313] | 3777 | [5431, 2477] | 6076 | [5571, 5031] | 8375 | [8803, 7889] |
| 1479 | [2340, 2536] | 3778 | [5432, 5433] | 6077 | [1870, 7373] | 8376 | [8760, 8798] |
| 1480 | [2537, 2538] | 3779 | [1925, 5434] | 6078 | [7403, 585]  | 8377 | [8804, 7869] |
| 1481 | [2167, 2539] | 3780 | [4782, 2404] | 6079 | [196, 7404]  | 8378 | [4221, 7662] |
| 1482 | [755, 2474]  | 3781 | [4509, 4583] | 6080 | [7405, 7406] | 8379 | [8805, 8024] |
| 1483 | [482, 2540]  | 3782 | [1711, 5435] | 6081 | [1685, 7407] | 8380 | [8806, 7640] |
| 1484 | [2541, 2542] | 3783 | [5436, 5437] | 6082 | [7408, 543]  | 8381 | [1708, 5038] |
| 1485 | [2543, 2544] | 3784 | [4231, 2133] | 6083 | [7409, 5751] | 8382 | [8807, 8688] |
| 1486 | [1686, 2545] | 3785 | [5438, 4737] | 6084 | [5194, 5337] | 8383 | [8808, 8759] |
| 1487 | [2546, 2547] | 3786 | [5439, 587]  | 6085 | [5618, 4617] | 8384 | [1858, 2575] |
| 1488 | [2548, 2549] | 3787 | [5440, 1865] | 6086 | [131, 7410]  | 8385 | [7495, 8809] |
| 1489 | [2550, 2551] | 3788 | [5441, 2243] | 6087 | [7411, 7412] | 8386 | [8810, 7928] |
| 1490 | [2552, 2553] | 3789 | [5009, 5442] | 6088 | [7340, 7413] | 8387 | [1977, 8811] |
| 1491 | [2554, 2555] | 3790 | [31, 4359]   | 6089 | [7414, 5177] | 8388 | [8812, 8813] |
| 1492 | [844, 2556]  | 3791 | [2604, 5297] | 6090 | [7415, 7416] | 8389 | [8814, 5555] |
| 1493 | [2557, 2558] | 3792 | [1715, 494]  | 6091 | [5503, 7417] | 8390 | [8815, 8816] |
| 1494 | [1646, 2559] | 3793 | [5292, 578]  | 6092 | [7418, 2413] | 8391 | [8817, 7682] |
| 1495 | [2321, 2560] | 3794 | [2499, 47]   | 6093 | [730, 4193]  | 8392 | [5761, 4738] |
| 1496 | [2561, 1671] | 3795 | [5443, 2421] | 6094 | [161, 4504]  | 8393 | [8818, 2006] |
| 1497 | [2562, 2563] | 3796 | [4569, 1908] | 6095 | [5602, 4558] | 8394 | [1814, 2472] |
| 1498 | [2564, 2565] | 3797 | [5444, 2587] | 6096 | [7419, 565]  | 8395 | [8819, 5222] |
| 1499 | [2566, 600]  | 3798 | [5445, 2057] | 6097 | [7420, 1915] | 8396 | [4334, 4745] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1500 | [2567, 2568] | 3799 | [5446, 2141] | 6098 | [4750, 5532] | 8397 | [2452, 2353] |
| 1501 | [2529, 2569] | 3800 | [5447, 5108] | 6099 | [7421, 7422] | 8398 | [8820, 5173] |
| 1502 | [797, 1988]  | 3801 | [5448, 1942] | 6100 | [2388, 7423] | 8399 | [8821, 5649] |
| 1503 | [2570, 2571] | 3802 | [5449, 5332] | 6101 | [785, 7424]  | 8400 | [7526, 8083] |
| 1504 | [2572, 2573] | 3803 | [5450, 5451] | 6102 | [5710, 7425] | 8401 | [4824, 5066] |
| 1505 | [2574, 2575] | 3804 | [5452, 5453] | 6103 | [5580, 4525] | 8402 | [7596, 7600] |
| 1506 | [2576, 2577] | 3805 | [5454, 4585] | 6104 | [5111, 7426] | 8403 | [8683, 4713] |
| 1507 | [636, 2214]  | 3806 | [2322, 2662] | 6105 | [4325, 7419] | 8404 | [149, 4897]  |
| 1508 | [2578, 2579] | 3807 | [2654, 4450] | 6106 | [5364, 1762] | 8405 | [8822, 4512] |
| 1509 | [2580, 2285] | 3808 | [5455, 4515] | 6107 | [7427, 1974] | 8406 | [4615, 4721] |
| 1510 | [2581, 2582] | 3809 | [5456, 5457] | 6108 | [4886, 7428] | 8407 | [8043, 7559] |
| 1511 | [2406, 2583] | 3810 | [5458, 5459] | 6109 | [7429, 5099] | 8408 | [8823, 2108] |
| 1512 | [2584, 2261] | 3811 | [5460, 5461] | 6110 | [7430, 5016] | 8409 | [8824, 7576] |
| 1513 | [2585, 2238] | 3812 | [4254, 5462] | 6111 | [7431, 1906] | 8410 | [7374, 4505] |
| 1514 | [689, 1966]  | 3813 | [5463, 5464] | 6112 | [4904, 1733] | 8411 | [5745, 2264] |
| 1515 | [2313, 2081] | 3814 | [5465, 182]  | 6113 | [54, 7432]   | 8412 | [4785, 7676] |
| 1516 | [2586, 2587] | 3815 | [5466, 5467] | 6114 | [2075, 2341] | 8413 | [8825, 2486] |
| 1517 | [2588, 1895] | 3816 | [5468, 5469] | 6115 | [2052, 7433] | 8414 | [7814, 208]  |
| 1518 | [2589, 2590] | 3817 | [4446, 1824] | 6116 | [7434, 2514] | 8415 | [5524, 8826] |
| 1519 | [2591, 851]  | 3818 | [5470, 5471] | 6117 | [4333, 2516] | 8416 | [8827, 8810] |
| 1520 | [2592, 1821] | 3819 | [1692, 2211] | 6118 | [7435, 2301] | 8417 | [1936, 8828] |
| 1521 | [2593, 2594] | 3820 | [2431, 5224] | 6119 | [580, 7436]  | 8418 | [1763, 2428] |
| 1522 | [2595, 237]  | 3821 | [2673, 2626] | 6120 | [7437, 2183] | 8419 | [4887, 4893] |
| 1523 | [2596, 2142] | 3822 | [5043, 4197] | 6121 | [2342, 5136] | 8420 | [8829, 4923] |
| 1524 | [2597, 2598] | 3823 | [5472, 2687] | 6122 | [7438, 5046] | 8421 | [2233, 7972] |
| 1525 | [2599, 2600] | 3824 | [5410, 622]  | 6123 | [7439, 7440] | 8422 | [1899, 2439] |
| 1526 | [2601, 2602] | 3825 | [5473, 5474] | 6124 | [7441, 7442] | 8423 | [2398, 2285] |
| 1527 | [165, 2603]  | 3826 | [4881, 4485] | 6125 | [617, 4435]  | 8424 | [5493, 4929] |
| 1528 | [2604, 2605] | 3827 | [2360, 623]  | 6126 | [5455, 2176] | 8425 | [4379, 4794] |
| 1529 | [2606, 2607] | 3828 | [5475, 5476] | 6127 | [2617, 7443] | 8426 | [5016, 8830] |
| 1530 | [2608, 2609] | 3829 | [1853, 4715] | 6128 | [7213, 2324] | 8427 | [4791, 4943] |
| 1531 | [2610, 2611] | 3830 | [5477, 2593] | 6129 | [2678, 2129] | 8428 | [8831, 8057] |
| 1532 | [2612, 2613] | 3831 | [5478, 4201] | 6130 | [5653, 2091] | 8429 | [5207, 854]  |
| 1533 | [2614, 2451] | 3832 | [574, 5479]  | 6131 | [5001, 5019] | 8430 | [5750, 8735] |
| 1534 | [2615, 2616] | 3833 | [2525, 5397] | 6132 | [5052, 5639] | 8431 | [8832, 5288] |
| 1535 | [2617, 2618] | 3834 | [5480, 797]  | 6133 | [2614, 7444] | 8432 | [8833, 7587] |
| 1536 | [2619, 507]  | 3835 | [749, 2328]  | 6134 | [7445, 1897] | 8433 | [8834, 5711] |
| 1537 | [2620, 2560] | 3836 | [5481, 682]  | 6135 | [7446, 5713] | 8434 | [4331, 7544] |
| 1538 | [2185, 2621] | 3837 | [1792, 2671] | 6136 | [5095, 7447] | 8435 | [8835, 764]  |
| 1539 | [2622, 2623] | 3838 | [5482, 5227] | 6137 | [2634, 7448] | 8436 | [2560, 2015] |
| 1540 | [2624, 2498] | 3839 | [5025, 129]  | 6138 | [5332, 1851] | 8437 | [2439, 8698] |
| 1541 | [2625, 2626] | 3840 | [4698, 5483] | 6139 | [7449, 5695] | 8438 | [2180, 8712] |
| 1542 | [2627, 760]  | 3841 | [5484, 4992] | 6140 | [7450, 5658] | 8439 | [8836, 7919] |
| 1543 | [2628, 2629] | 3842 | [5485, 2309] | 6141 | [7451, 7452] | 8440 | [4611, 5144] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1544 | [2630, 2631] | 3843 | [5486, 740]  | 6142 | [2509, 2037] | 8441 | [8837, 1756] |
| 1545 | [2632, 2633] | 3844 | [5487, 230]  | 6143 | [7197, 5653] | 8442 | [7502, 7610] |
| 1546 | [2634, 478]  | 3845 | [191, 5488]  | 6144 | [4644, 1777] | 8443 | [5054, 8726] |
| 1547 | [2635, 482]  | 3846 | [4662, 655]  | 6145 | [7453, 5564] | 8444 | [7655, 7698] |
| 1548 | [2636, 2637] | 3847 | [5489, 4856] | 6146 | [7454, 551]  | 8445 | [4212, 7560] |
| 1549 | [2638, 2639] | 3848 | [1781, 1610] | 6147 | [4740, 4953] | 8446 | [8838, 1678] |
| 1550 | [2640, 2641] | 3849 | [5150, 4251] | 6148 | [466, 183]   | 8447 | [5599, 8839] |
| 1551 | [2642, 2643] | 3850 | [5490, 5491] | 6149 | [4618, 1967] | 8448 | [8840, 7234] |
| 1552 | [2644, 2645] | 3851 | [5492, 4329] | 6150 | [7455, 4614] | 8449 | [8841, 8009] |
| 1553 | [2646, 2647] | 3852 | [5493, 572]  | 6151 | [7456, 7457] | 8450 | [4730, 7428] |
| 1554 | [2648, 2649] | 3853 | [5494, 699]  | 6152 | [7365, 2137] | 8451 | [5223, 1817] |
| 1555 | [2650, 739]  | 3854 | [5495, 581]  | 6153 | [559, 7444]  | 8452 | [2550, 7924] |
| 1556 | [2651, 2652] | 3855 | [5496, 5497] | 6154 | [7458, 2590] | 8453 | [4555, 5724] |
| 1557 | [2653, 2654] | 3856 | [2101, 2203] | 6155 | [7459, 7460] | 8454 | [7690, 7854] |
| 1558 | [61, 2046]   | 3857 | [747, 2337]  | 6156 | [4670, 4926] | 8455 | [5030, 2698] |
| 1559 | [2655, 2656] | 3858 | [4820, 4223] | 6157 | [5106, 7195] | 8456 | [656, 8842]  |
| 1560 | [2657, 2189] | 3859 | [5498, 880]  | 6158 | [5243, 2217] | 8457 | [1874, 5146] |
| 1561 | [2658, 2659] | 3860 | [1618, 879]  | 6159 | [7461, 7452] | 8458 | [8843, 7236] |
| 1562 | [2660, 1936] | 3861 | [5499, 577]  | 6160 | [7462, 150]  | 8459 | [7305, 7931] |
| 1563 | [2661, 148]  | 3862 | [1961, 1655] | 6161 | [7463, 2269] | 8460 | [4316, 1668] |
| 1564 | [515, 2662]  | 3863 | [4416, 1962] | 6162 | [4921, 4994] | 8461 | [8844, 2352] |
| 1565 | [2663, 222]  | 3864 | [4454, 2673] | 6163 | [667, 1738]  | 8462 | [4321, 8845] |
| 1566 | [2326, 2664] | 3865 | [5500, 5501] | 6164 | [7464, 7465] | 8463 | [7230, 4288] |
| 1567 | [2665, 2286] | 3866 | [5502, 1633] | 6165 | [7466, 7467] | 8464 | [8846, 7513] |
| 1568 | [1712, 2666] | 3867 | [5503, 4625] | 6166 | [7468, 5287] | 8465 | [7361, 8847] |
| 1569 | [858, 2667]  | 3868 | [5504, 5505] | 6167 | [2583, 4571] | 8466 | [8848, 1662] |
| 1570 | [2668, 2044] | 3869 | [5506, 5507] | 6168 | [7469, 5073] | 8467 | [4565, 5576] |
| 1571 | [2530, 2669] | 3870 | [5508, 175]  | 6169 | [7470, 2068] | 8468 | [8849, 7681] |
| 1572 | [2670, 2671] | 3871 | [5509, 5510] | 6170 | [5757, 159]  | 8469 | [5382, 8850] |
| 1573 | [2672, 2182] | 3872 | [2492, 2277] | 6171 | [7201, 5007] | 8470 | [8851, 7893] |
| 1574 | [2673, 2674] | 3873 | [5511, 5512] | 6172 | [1970, 4272] | 8471 | [8852, 8728] |
| 1575 | [2675, 2676] | 3874 | [5513, 668]  | 6173 | [7338, 7248] | 8472 | [8853, 5598] |
| 1576 | [2677, 2678] | 3875 | [5514, 1866] | 6174 | [789, 2391]  | 8473 | [2158, 2209] |
| 1577 | [2679, 1612] | 3876 | [4340, 2069] | 6175 | [7471, 2407] | 8474 | [4935, 4220] |
| 1578 | [2680, 2681] | 3877 | [4772, 853]  | 6176 | [629, 4975]  | 8475 | [8854, 5613] |
| 1579 | [2682, 2683] | 3878 | [5515, 5396] | 6177 | [2685, 7472] | 8476 | [8855, 5326] |
| 1580 | [2684, 2685] | 3879 | [5516, 5517] | 6178 | [7473, 5214] | 8477 | [4927, 8856] |
| 1581 | [2686, 2687] | 3880 | [5518, 5292] | 6179 | [4781, 7392] | 8478 | [8857, 8024] |
| 1582 | [1932, 2688] | 3881 | [5519, 858]  | 6180 | [7290, 1868] | 8479 | [5705, 1636] |
| 1583 | [2689, 2690] | 3882 | [5253, 877]  | 6181 | [2074, 1631] | 8480 | [8858, 5666] |
| 1584 | [2691, 2465] | 3883 | [4719, 2414] | 6182 | [7474, 5686] | 8481 | [5440, 8859] |
| 1585 | [2692, 2315] | 3884 | [5520, 5521] | 6183 | [724, 1899]  | 8482 | [7771, 8666] |
| 1586 | [2693, 2291] | 3885 | [4932, 2298] | 6184 | [4847, 4397] | 8483 | [4609, 7850] |
| 1587 | [2694, 625]  | 3886 | [864, 2518]  | 6185 | [4491, 2612] | 8484 | [492, 8683]  |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1588 | [2695, 627]  | 3887 | [2174, 648]  | 6186 | [2559, 5161] | 8485 | [8860, 2319] |
| 1589 | [1810, 623]  | 3888 | [5522, 5523] | 6187 | [5371, 7475] | 8486 | [5684, 2036] |
| 1590 | [2696, 2593] | 3889 | [5524, 5304] | 6188 | [4798, 7476] | 8487 | [1741, 8861] |
| 1591 | [1691, 1637] | 3890 | [5525, 631]  | 6189 | [4733, 2536] | 8488 | [7556, 7332] |
| 1592 | [2697, 2698] | 3891 | [132, 5526]  | 6190 | [7477, 1665] | 8489 | [8862, 4651] |
| 1593 | [2699, 2700] | 3892 | [5527, 881]  | 6191 | [7478, 2108] | 8490 | [7182, 8863] |
| 1594 | [2701, 2702] | 3893 | [5528, 229]  | 6192 | [5105, 7194] | 8491 | [8864, 2589] |
| 1595 | [2703, 2556] | 3894 | [1661, 4750] | 6193 | [5129, 7479] | 8492 | [4381, 4670] |
| 1596 | [2704, 2705] | 3895 | [5529, 5530] | 6194 | [1675, 7480] | 8493 | [8865, 4190] |
| 1597 | [748, 2338]  | 3896 | [5531, 5532] | 6195 | [7481, 736]  | 8494 | [7410, 8866] |
| 1598 | [750, 2284]  | 3897 | [5533, 4488] | 6196 | [7482, 7483] | 8495 | [7527, 7778] |
| 1599 | [2706, 1291] | 3898 | [2677, 2128] | 6197 | [4293, 7484] | 8496 | [8867, 8026] |
| 1600 | [1303, 63]   | 3899 | [4598, 5356] | 6198 | [7485, 5058] | 8497 | [2313, 4628] |
| 1601 | [2707, 2708] | 3900 | [5534, 5535] | 6199 | [4215, 583]  | 8498 | [7572, 5527] |
| 1602 | [2709, 2710] | 3901 | [5536, 5403] | 6200 | [5709, 2274] | 8499 | [8868, 7672] |
| 1603 | [2711, 2712] | 3902 | [4659, 2553] | 6201 | [5126, 4258] | 8500 | [2116, 4359] |
| 1604 | [329, 2713]  | 3903 | [5339, 2168] | 6202 | [774, 4653]  | 8501 | [836, 8869]  |
| 1605 | [2714, 2715] | 3904 | [5537, 5538] | 6203 | [2687, 4462] | 8502 | [8032, 5088] |
| 1606 | [2716, 2717] | 3905 | [5539, 5540] | 6204 | [2037, 4451] | 8503 | [8870, 5281] |
| 1607 | [2718, 2719] | 3906 | [4765, 2146] | 6205 | [2111, 7486] | 8504 | [2339, 4733] |
| 1608 | [2720, 2721] | 3907 | [5541, 5542] | 6206 | [5178, 2149] | 8505 | [8871, 8766] |
| 1609 | [2722, 2723] | 3908 | [1745, 5059] | 6207 | [7487, 2450] | 8506 | [8872, 1856] |
| 1610 | [65, 2724]   | 3909 | [2173, 4437] | 6208 | [7448, 778]  | 8507 | [8873, 5627] |
| 1611 | [2725, 2726] | 3910 | [758, 2469]  | 6209 | [5248, 5072] | 8508 | [7761, 8874] |
| 1612 | [2727, 2728] | 3911 | [5543, 2052] | 6210 | [7488, 7489] | 8509 | [8875, 5252] |
| 1613 | [2729, 2730] | 3912 | [218, 5544]  | 6211 | [7490, 7491] | 8510 | [5361, 2235] |
| 1614 | [2731, 2732] | 3913 | [5545, 2700] | 6212 | [4394, 4849] | 8511 | [8876, 7911] |
| 1615 | [2733, 296]  | 3914 | [2678, 5546] | 6213 | [7492, 1697] | 8512 | [8877, 5550] |
| 1616 | [2734, 298]  | 3915 | [5547, 5548] | 6214 | [4567, 7493] | 8513 | [8878, 5176] |
| 1617 | [390, 1597]  | 3916 | [2102, 5549] | 6215 | [1781, 5526] | 8514 | [2694, 2472] |
| 1618 | [243, 1328]  | 3917 | [5550, 2345] | 6216 | [7494, 5615] | 8515 | [1854, 5706] |
| 1619 | [944, 2735]  | 3918 | [4721, 2101] | 6217 | [7495, 7496] | 8516 | [2054, 7746] |
| 1620 | [2736, 2737] | 3919 | [5551, 2096] | 6218 | [7497, 7498] | 8517 | [4411, 8705] |
| 1621 | [2738, 2739] | 3920 | [5552, 1608] | 6219 | [4206, 7499] | 8518 | [838, 8842]  |
| 1622 | [2740, 2741] | 3921 | [1851, 5553] | 6220 | [7500, 4816] | 8519 | [4391, 2620] |
| 1623 | [2742, 1221] | 3922 | [5554, 5555] | 6221 | [1831, 7501] | 8520 | [8879, 8746] |
| 1624 | [2743, 2744] | 3923 | [5556, 5557] | 6222 | [4583, 4250] | 8521 | [1879, 7863] |
| 1625 | [2745, 1071] | 3924 | [5558, 2059] | 6223 | [4252, 818]  | 8522 | [53, 7727]   |
| 1626 | [72, 72]     | 3925 | [5559, 5560] | 6224 | [7502, 1857] | 8523 | [8880, 8881] |
| 1627 | [2746, 2747] | 3926 | [5561, 5007] | 6225 | [1978, 5542] | 8524 | [8882, 5553] |
| 1628 | [2748, 2749] | 3927 | [5562, 5520] | 6226 | [4957, 7503] | 8525 | [8883, 4464] |
| 1629 | [2750, 2751] | 3928 | [5563, 5564] | 6227 | [7504, 7505] | 8526 | [2373, 153]  |
| 1630 | [2752, 2753] | 3929 | [5565, 5354] | 6228 | [4931, 2297] | 8527 | [8055, 8884] |
| 1631 | [2754, 913]  | 3930 | [5566, 5567] | 6229 | [2040, 2565] | 8528 | [4249, 5160] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1632 | [2755, 375]  | 3931 | [2417, 235]  | 6230 | [2133, 4749] | 8529 | [8885, 7909] |
| 1633 | [2756, 2757] | 3932 | [5568, 1722] | 6231 | [7506, 2542] | 8530 | [7207, 8886] |
| 1634 | [2758, 406]  | 3933 | [2021, 5568] | 6232 | [5529, 7507] | 8531 | [8887, 737]  |
| 1635 | [2759, 2760] | 3934 | [5569, 2272] | 6233 | [5283, 7508] | 8532 | [208, 8789]  |
| 1636 | [2761, 2762] | 3935 | [4943, 4311] | 6234 | [7509, 7510] | 8533 | [2691, 5009] |
| 1637 | [966, 2763]  | 3936 | [5570, 5219] | 6235 | [7511, 1780] | 8534 | [8888, 4687] |
| 1638 | [2764, 2765] | 3937 | [481, 2152]  | 6236 | [5203, 5540] | 8535 | [5109, 8706] |
| 1639 | [2766, 1310] | 3938 | [5571, 470]  | 6237 | [7512, 7507] | 8536 | [8889, 4282] |
| 1640 | [2767, 2768] | 3939 | [2031, 5572] | 6238 | [12, 7513]   | 8537 | [5416, 8018] |
| 1641 | [2769, 1005] | 3940 | [2702, 5033] | 6239 | [7298, 2559] | 8538 | [543, 8045]  |
| 1642 | [1323, 2770] | 3941 | [525, 5573]  | 6240 | [7514, 7216] | 8539 | [7849, 7920] |
| 1643 | [2771, 2772] | 3942 | [5574, 4711] | 6241 | [7515, 1645] | 8540 | [2017, 2093] |
| 1644 | [2749, 2773] | 3943 | [5575, 5576] | 6242 | [7516, 2028] | 8541 | [5141, 8890] |
| 1645 | [2751, 2774] | 3944 | [5577, 5170] | 6243 | [5034, 5630] | 8542 | [7790, 2174] |
| 1646 | [2775, 2776] | 3945 | [5578, 5579] | 6244 | [7517, 5474] | 8543 | [4692, 7499] |
| 1647 | [2777, 2778] | 3946 | [5580, 5581] | 6245 | [4253, 813]  | 8544 | [8780, 4305] |
| 1648 | [2779, 2780] | 3947 | [4846, 4581] | 6246 | [7518, 2183] | 8545 | [8891, 7979] |
| 1649 | [2781, 1003] | 3948 | [741, 5582]  | 6247 | [7357, 5629] | 8546 | [8892, 5205] |
| 1650 | [2782, 2783] | 3949 | [5583, 1947] | 6248 | [7519, 713]  | 8547 | [8060, 8893] |
| 1651 | [2784, 2785] | 3950 | [5584, 1835] | 6249 | [2474, 2307] | 8548 | [8894, 7637] |
| 1652 | [258, 2786]  | 3951 | [1668, 1759] | 6250 | [7520, 7344] | 8549 | [745, 4677]  |
| 1653 | [2787, 2788] | 3952 | [2445, 5119] | 6251 | [5688, 4819] | 8550 | [5362, 4794] |
| 1654 | [2789, 2790] | 3953 | [5585, 5586] | 6252 | [7521, 5165] | 8551 | [8895, 5711] |
| 1655 | [2791, 2792] | 3954 | [2138, 4884] | 6253 | [7522, 7523] | 8552 | [5407, 7788] |
| 1656 | [365, 2793]  | 3955 | [5587, 5588] | 6254 | [7524, 7525] | 8553 | [2518, 8896] |
| 1657 | [1477, 2773] | 3956 | [5589, 5590] | 6255 | [4288, 604]  | 8554 | [8825, 8722] |
| 1658 | [2794, 2795] | 3957 | [4955, 5118] | 6256 | [5151, 5535] | 8555 | [5718, 8874] |
| 1659 | [2796, 1170] | 3958 | [5591, 5592] | 6257 | [7526, 7382] | 8556 | [4834, 1862] |
| 1660 | [2797, 1143] | 3959 | [779, 4504]  | 6258 | [7527, 7528] | 8557 | [8897, 552]  |
| 1661 | [2786, 2798] | 3960 | [5593, 4289] | 6259 | [740, 1802]  | 8558 | [7813, 8777] |
| 1662 | [2799, 2800] | 3961 | [5007, 5594] | 6260 | [5330, 820]  | 8559 | [8898, 5433] |
| 1663 | [2801, 2802] | 3962 | [2246, 2241] | 6261 | [7529, 5777] | 8560 | [2078, 5682] |
| 1664 | [2803, 2804] | 3963 | [5595, 2263] | 6262 | [7530, 2156] | 8561 | [7870, 2038] |
| 1665 | [2805, 2806] | 3964 | [5071, 5249] | 6263 | [7531, 5459] | 8562 | [4956, 7188] |
| 1666 | [2807, 399]  | 3965 | [5596, 1922] | 6264 | [2648, 7532] | 8563 | [4347, 8886] |
| 1667 | [2808, 2809] | 3966 | [1880, 486]  | 6265 | [7533, 676]  | 8564 | [7884, 8899] |
| 1668 | [2810, 2811] | 3967 | [5597, 5598] | 6266 | [7534, 7535] | 8565 | [8900, 7561] |
| 1669 | [2812, 1260] | 3968 | [805, 5599]  | 6267 | [4416, 1655] | 8566 | [558, 2614]  |
| 1670 | [2813, 2814] | 3969 | [5600, 572]  | 6268 | [753, 7536]  | 8567 | [5427, 7733] |
| 1671 | [2815, 2816] | 3970 | [5601, 5602] | 6269 | [7537, 165]  | 8568 | [658, 7891]  |
| 1672 | [2817, 5]    | 3971 | [5603, 4551] | 6270 | [1645, 7396] | 8569 | [1772, 8901] |
| 1673 | [2818, 2819] | 3972 | [5604, 4971] | 6271 | [1792, 5770] | 8570 | [8902, 7675] |
| 1674 | [2820, 2821] | 3973 | [5605, 5606] | 6272 | [5765, 7419] | 8571 | [8903, 4950] |
| 1675 | [2822, 2823] | 3974 | [869, 2690]  | 6273 | [2148, 1845] | 8572 | [5771, 4859] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1676 | [2824, 2825] | 3975 | [4892, 4888] | 6274 | [7538, 44]   | 8573 | [8017, 8724] |
| 1677 | [2826, 2783] | 3976 | [1936, 5607] | 6275 | [7539, 7262] | 8574 | [4406, 776]  |
| 1678 | [2827, 2828] | 3977 | [5608, 5609] | 6276 | [4216, 5739] | 8575 | [8904, 4673] |
| 1679 | [2829, 2830] | 3978 | [2671, 5610] | 6277 | [1751, 2069] | 8576 | [4792, 2578] |
| 1680 | [2831, 1179] | 3979 | [5611, 768]  | 6278 | [4264, 4278] | 8577 | [4373, 2138] |
| 1681 | [2832, 2833] | 3980 | [5612, 2104] | 6279 | [4761, 4837] | 8578 | [8689, 8693] |
| 1682 | [2834, 2835] | 3981 | [5613, 4453] | 6280 | [7540, 2158] | 8579 | [8905, 2444] |
| 1683 | [2836, 2837] | 3982 | [5614, 2164] | 6281 | [2502, 2000] | 8580 | [8906, 8816] |
| 1684 | [2838, 2839] | 3983 | [5615, 5616] | 6282 | [5575, 4566] | 8581 | [7340, 7846] |
| 1685 | [2840, 2841] | 3984 | [2689, 5617] | 6283 | [2002, 7541] | 8582 | [7276, 723]  |
| 1686 | [257, 2842]  | 3985 | [5618, 5219] | 6284 | [7542, 7543] | 8583 | [8907, 7923] |
| 1687 | [1379, 2843] | 3986 | [5619, 832]  | 6285 | [7544, 14]   | 8584 | [7419, 7724] |
| 1688 | [2844, 2845] | 3987 | [697, 196]   | 6286 | [7545, 4428] | 8585 | [8908, 8909] |
| 1689 | [2846, 2847] | 3988 | [4902, 4569] | 6287 | [4469, 5231] | 8586 | [5163, 4840] |
| 1690 | [2848, 2849] | 3989 | [707, 2488]  | 6288 | [5622, 7546] | 8587 | [4308, 5333] |
| 1691 | [2850, 2851] | 3990 | [5620, 1630] | 6289 | [1877, 1968] | 8588 | [8910, 7951] |
| 1692 | [2852, 453]  | 3991 | [5621, 2577] | 6290 | [1908, 1623] | 8589 | [7593, 7784] |
| 1693 | [2853, 2854] | 3992 | [5622, 5623] | 6291 | [7547, 7548] | 8590 | [8911, 4320] |
| 1694 | [2855, 2856] | 3993 | [2672, 5199] | 6292 | [5180, 5098] | 8591 | [8912, 812]  |
| 1695 | [2857, 95]   | 3994 | [5624, 4965] | 6293 | [4232, 1643] | 8592 | [8913, 4456] |
| 1696 | [2858, 341]  | 3995 | [4828, 803]  | 6294 | [4478, 2135] | 8593 | [5213, 2572] |
| 1697 | [2859, 384]  | 3996 | [468, 5625]  | 6295 | [7549, 5484] | 8594 | [8914, 8810] |
| 1698 | [2765, 2860] | 3997 | [4648, 2355] | 6296 | [4362, 5579] | 8595 | [1959, 1959] |
| 1699 | [348, 319]   | 3998 | [4951, 4307] | 6297 | [7550, 7467] | 8596 | [5545, 7995] |
| 1700 | [2861, 2862] | 3999 | [5626, 5627] | 6298 | [7551, 2517] | 8597 | [4972, 8863] |
| 1701 | [2863, 2864] | 4000 | [5628, 4674] | 6299 | [7552, 4345] | 8598 | [186, 7544]  |
| 1702 | [2865, 2866] | 4001 | [5629, 2688] | 6300 | [571, 777]   | 8599 | [8915, 7397] |
| 1703 | [2867, 2868] | 4002 | [5630, 5247] | 6301 | [8, 520]     | 8600 | [792, 7726]  |
| 1704 | [2869, 2735] | 4003 | [4332, 2515] | 6302 | [7553, 5357] | 8601 | [5355, 4599] |
| 1705 | [2870, 1456] | 4004 | [5631, 4235] | 6303 | [2216, 5244] | 8602 | [8916, 7946] |
| 1706 | [2871, 2872] | 4005 | [45, 5632]   | 6304 | [7554, 4690] | 8603 | [7255, 5434] |
| 1707 | [2873, 2874] | 4006 | [5633, 4206] | 6305 | [4693, 4925] | 8604 | [8917, 8918] |
| 1708 | [2875, 2876] | 4007 | [5634, 5635] | 6306 | [5057, 7555] | 8605 | [8919, 7331] |
| 1709 | [2877, 2878] | 4008 | [4679, 4745] | 6307 | [7556, 2192] | 8606 | [8920, 5519] |
| 1710 | [2879, 2880] | 4009 | [5636, 5637] | 6308 | [7557, 7225] | 8607 | [5586, 8921] |
| 1711 | [2881, 2882] | 4010 | [5638, 5639] | 6309 | [7558, 569]  | 8608 | [7400, 4458] |
| 1712 | [2883, 1340] | 4011 | [4374, 2139] | 6310 | [7426, 5668] | 8609 | [2594, 1676] |
| 1713 | [2884, 388]  | 4012 | [5640, 5641] | 6311 | [4895, 7559] | 8610 | [8922, 4791] |
| 1714 | [2885, 937]  | 4013 | [5642, 593]  | 6312 | [7560, 7561] | 8611 | [5025, 2525] |
| 1715 | [1112, 1196] | 4014 | [5643, 5644] | 6313 | [4713, 7562] | 8612 | [7721, 4568] |
| 1716 | [2886, 2887] | 4015 | [5645, 4959] | 6314 | [7563, 4904] | 8613 | [602, 8830]  |
| 1717 | [91, 2888]   | 4016 | [1709, 5039] | 6315 | [7177, 567]  | 8614 | [8923, 7845] |
| 1718 | [2889, 2890] | 4017 | [5646, 5647] | 6316 | [7564, 5586] | 8615 | [552, 7483]  |
| 1719 | [2891, 2892] | 4018 | [5648, 5649] | 6317 | [4968, 7565] | 8616 | [8924, 7713] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1720 | [2893, 118]  | 4019 | [5650, 5651] | 6318 | [7566, 7567] | 8617 | [733, 2011]  |
| 1721 | [1053, 2894] | 4020 | [5652, 2661] | 6319 | [7568, 2089] | 8618 | [550, 7976]  |
| 1722 | [2895, 2896] | 4021 | [134, 5653]  | 6320 | [7569, 5104] | 8619 | [2213, 1881] |
| 1723 | [2897, 1141] | 4022 | [5569, 5351] | 6321 | [5605, 2394] | 8620 | [7303, 5430] |
| 1724 | [2898, 2899] | 4023 | [5654, 5182] | 6322 | [7570, 2651] | 8621 | [8925, 4930] |
| 1725 | [2900, 2901] | 4024 | [5655, 2492] | 6323 | [7571, 5138] | 8622 | [8926, 4955] |
| 1726 | [2902, 2903] | 4025 | [1797, 5656] | 6324 | [4496, 2210] | 8623 | [8927, 4868] |
| 1727 | [2904, 2905] | 4026 | [5657, 5658] | 6325 | [207, 5635]  | 8624 | [4299, 8847] |
| 1728 | [2906, 2907] | 4027 | [5135, 2343] | 6326 | [7572, 140]  | 8625 | [4349, 8899] |
| 1729 | [2908, 2909] | 4028 | [4808, 677]  | 6327 | [4538, 7573] | 8626 | [5514, 7268] |
| 1730 | [2910, 2911] | 4029 | [5254, 641]  | 6328 | [7574, 2006] | 8627 | [651, 8061]  |
| 1731 | [2912, 2913] | 4030 | [5659, 1685] | 6329 | [2399, 1920] | 8628 | [8928, 1996] |
| 1732 | [2914, 2915] | 4031 | [570, 776]   | 6330 | [7575, 482]  | 8629 | [8929, 4550] |
| 1733 | [2916, 377]  | 4032 | [5660, 5661] | 6331 | [5340, 674]  | 8630 | [2023, 5612] |
| 1734 | [2917, 1114] | 4033 | [4256, 5662] | 6332 | [7576, 5196] | 8631 | [8930, 8809] |
| 1735 | [2918, 113]  | 4034 | [5663, 4410] | 6333 | [7577, 7578] | 8632 | [8931, 2495] |
| 1736 | [2919, 2920] | 4035 | [5664, 5647] | 6334 | [621, 7579]  | 8633 | [7974, 1779] |
| 1737 | [2921, 887]  | 4036 | [5665, 5666] | 6335 | [7291, 1869] | 8634 | [5303, 8826] |
| 1738 | [1253, 2922] | 4037 | [5667, 2038] | 6336 | [7580, 634]  | 8635 | [468, 8932]  |
| 1739 | [416, 2923]  | 4038 | [4775, 5668] | 6337 | [7581, 4460] | 8636 | [8933, 8934] |
| 1740 | [2924, 2925] | 4039 | [5669, 5670] | 6338 | [7326, 7194] | 8637 | [8935, 7881] |
| 1741 | [2926, 2927] | 4040 | [5671, 4822] | 6339 | [4306, 2410] | 8638 | [8071, 2287] |
| 1742 | [2928, 2929] | 4041 | [5672, 5611] | 6340 | [7582, 5735] | 8639 | [2371, 8738] |
| 1743 | [1593, 2930] | 4042 | [5673, 5175] | 6341 | [4188, 7583] | 8640 | [5774, 8687] |
| 1744 | [2931, 2932] | 4043 | [5674, 193]  | 6342 | [7584, 7244] | 8641 | [8936, 8918] |
| 1745 | [2933, 2934] | 4044 | [2538, 5675] | 6343 | [4409, 5421] | 8642 | [7242, 8856] |
| 1746 | [2935, 2936] | 4045 | [5676, 2501] | 6344 | [7585, 2048] | 8643 | [8696, 7594] |
| 1747 | [2937, 2938] | 4046 | [4580, 5677] | 6345 | [7586, 7587] | 8644 | [8937, 1678] |
| 1748 | [2939, 2940] | 4047 | [5678, 5679] | 6346 | [2569, 7340] | 8645 | [8938, 4770] |
| 1749 | [2941, 2942] | 4048 | [5659, 2310] | 6347 | [7588, 653]  | 8646 | [7390, 2547] |
| 1750 | [2943, 1562] | 4049 | [5611, 4510] | 6348 | [569, 869]   | 8647 | [8939, 4770] |
| 1751 | [2944, 1563] | 4050 | [2615, 1649] | 6349 | [486, 7589]  | 8648 | [8940, 5700] |
| 1752 | [2945, 2946] | 4051 | [5221, 2630] | 6350 | [7590, 7591] | 8649 | [2619, 8799] |
| 1753 | [2947, 2948] | 4052 | [5680, 1815] | 6351 | [5198, 4909] | 8650 | [7346, 7355] |
| 1754 | [2949, 2950] | 4053 | [2119, 5681] | 6352 | [7592, 5377] | 8651 | [5476, 2188] |
| 1755 | [2951, 2952] | 4054 | [5682, 714]  | 6353 | [4643, 535]  | 8652 | [8941, 3915] |
| 1756 | [2953, 2954] | 4055 | [2000, 4808] | 6354 | [234, 1799]  | 8653 | [2857, 5785] |
| 1757 | [2955, 2956] | 4056 | [4603, 5683] | 6355 | [7593, 7594] | 8654 | [4137, 6049] |
| 1758 | [2957, 1086] | 4057 | [5276, 5625] | 6356 | [5752, 5767] | 8655 | [3502, 3650] |
| 1759 | [2958, 2959] | 4058 | [5684, 151]  | 6357 | [4480, 5302] | 8656 | [8942, 8551] |
| 1760 | [2960, 2961] | 4059 | [5685, 5686] | 6358 | [4898, 4549] | 8657 | [5791, 3580] |
| 1761 | [2962, 333]  | 4060 | [4493, 5217] | 6359 | [4516, 11]   | 8658 | [6084, 6460] |
| 1762 | [2963, 2964] | 4061 | [5401, 4702] | 6360 | [7595, 4336] | 8659 | [8442, 6626] |
| 1763 | [2965, 2966] | 4062 | [5687, 701]  | 6361 | [7596, 7597] | 8660 | [3593, 7162] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1764 | [2967, 82]   | 4063 | [2579, 4866] | 6362 | [2363, 7598] | 8661 | [2731, 2781] |
| 1765 | [2968, 2969] | 4064 | [5688, 1997] | 6363 | [5689, 2180] | 8662 | [6359, 8505] |
| 1766 | [2970, 2971] | 4065 | [4368, 5615] | 6364 | [7599, 7600] | 8663 | [1378, 1001] |
| 1767 | [2972, 2973] | 4066 | [2019, 5689] | 6365 | [2428, 789]  | 8664 | [1491, 6549] |
| 1768 | [2728, 2974] | 4067 | [5690, 1777] | 6366 | [5491, 7179] | 8665 | [6365, 7038] |
| 1769 | [2975, 2976] | 4068 | [5691, 4341] | 6367 | [2680, 5659] | 8666 | [6134, 6876] |
| 1770 | [1549, 2977] | 4069 | [5692, 5693] | 6368 | [7601, 7562] | 8667 | [8488, 6036] |
| 1771 | [2978, 2979] | 4070 | [1876, 4986] | 6369 | [2160, 7602] | 8668 | [8943, 5945] |
| 1772 | [2980, 2981] | 4071 | [5694, 5695] | 6370 | [7603, 5193] | 8669 | [8944, 1507] |
| 1773 | [1481, 2982] | 4072 | [5696, 601]  | 6371 | [5614, 7604] | 8670 | [6105, 6945] |
| 1774 | [2983, 2984] | 4073 | [2032, 5697] | 6372 | [7605, 5607] | 8671 | [8945, 8946] |
| 1775 | [2964, 2985] | 4074 | [615, 4524]  | 6373 | [5284, 496]  | 8672 | [1041, 6487] |
| 1776 | [2986, 2987] | 4075 | [5113, 5698] | 6374 | [7606, 4464] | 8673 | [2875, 4131] |
| 1777 | [2988, 2989] | 4076 | [5699, 5700] | 6375 | [7607, 5723] | 8674 | [8947, 1377] |
| 1778 | [2990, 2991] | 4077 | [5701, 5348] | 6376 | [7608, 146]  | 8675 | [1118, 8193] |
| 1779 | [2992, 2993] | 4078 | [5702, 226]  | 6377 | [7595, 1706] | 8676 | [2930, 374]  |
| 1780 | [2994, 2995] | 4079 | [2636, 2218] | 6378 | [5277, 1829] | 8677 | [364, 3304]  |
| 1781 | [63, 2996]   | 4080 | [5277, 4450] | 6379 | [7609, 7475] | 8678 | [3848, 7084] |
| 1782 | [1004, 1316] | 4081 | [2440, 5703] | 6380 | [7482, 553]  | 8679 | [3942, 1541] |
| 1783 | [2997, 887]  | 4082 | [5704, 600]  | 6381 | [1856, 7610] | 8680 | [8286, 8948] |
| 1784 | [277, 2998]  | 4083 | [5705, 1691] | 6382 | [7611, 2693] | 8681 | [8949, 7072] |
| 1785 | [2895, 2999] | 4084 | [5706, 5707] | 6383 | [7612, 7613] | 8682 | [3774, 6051] |
| 1786 | [3000, 3001] | 4085 | [5708, 2169] | 6384 | [1819, 5608] | 8683 | [8950, 1339] |
| 1787 | [3002, 3003] | 4086 | [2251, 1606] | 6385 | [5756, 2151] | 8684 | [6948, 8951] |
| 1788 | [3004, 3005] | 4087 | [5337, 5709] | 6386 | [7614, 7615] | 8685 | [910, 87]    |
| 1789 | [2888, 3006] | 4088 | [5710, 2396] | 6387 | [7616, 4858] | 8686 | [8952, 6917] |
| 1790 | [3007, 3008] | 4089 | [1764, 5641] | 6388 | [2430, 5709] | 8687 | [1110, 3051] |
| 1791 | [1395, 3009] | 4090 | [826, 633]   | 6389 | [4396, 4848] | 8688 | [8953, 3026] |
| 1792 | [3010, 3011] | 4091 | [5711, 5537] | 6390 | [1643, 5134] | 8689 | [429, 6922]  |
| 1793 | [3012, 3013] | 4092 | [5712, 5713] | 6391 | [4380, 1632] | 8690 | [8954, 3526] |
| 1794 | [3014, 3015] | 4093 | [5714, 1679] | 6392 | [5654, 5122] | 8691 | [6444, 1345] |
| 1795 | [1015, 3016] | 4094 | [5715, 4642] | 6393 | [4875, 7173] | 8692 | [2888, 6723] |
| 1796 | [3017, 3018] | 4095 | [5716, 4885] | 6394 | [7617, 1792] | 8693 | [6615, 6865] |
| 1797 | [3019, 3020] | 4096 | [5076, 4503] | 6395 | [874, 7238]  | 8694 | [8624, 8955] |
| 1798 | [3021, 2862] | 4097 | [5717, 1940] | 6396 | [7618, 7267] | 8695 | [3628, 3515] |
| 1799 | [3022, 1027] | 4098 | [1673, 4953] | 6397 | [7619, 7620] | 8696 | [6228, 1531] |
| 1800 | [992, 945]   | 4099 | [5718, 5719] | 6398 | [4401, 7621] | 8697 | [6958, 3823] |
| 1801 | [3023, 3024] | 4100 | [2299, 4378] | 6399 | [7622, 7623] | 8698 | [8956, 6496] |
| 1802 | [1424, 3025] | 4101 | [4771, 817]  | 6400 | [771, 7565]  | 8699 | [1463, 5974] |
| 1803 | [3026, 3027] | 4102 | [5294, 4361] | 6401 | [2214, 2198] | 8700 | [3988, 8957] |
| 1804 | [3028, 3029] | 4103 | [5720, 5721] | 6402 | [7624, 5501] | 8701 | [6673, 2785] |
| 1805 | [3030, 3031] | 4104 | [4714, 4932] | 6403 | [5189, 2127] | 8702 | [8958, 3376] |
| 1806 | [3032, 3033] | 4105 | [4752, 5722] | 6404 | [5027, 7282] | 8703 | [8959, 1037] |
| 1807 | [3034, 3035] | 4106 | [5723, 4621] | 6405 | [2337, 2422] | 8704 | [2824, 8621] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 1808 | [3036, 2866] | 4107 | [2038, 5724] | 6406 | [4449, 2681] | 8705 | [8960, 1505] |
| 1809 | [3037, 3038] | 4108 | [4227, 5388] | 6407 | [7625, 2243] | 8706 | [6764, 6660] |
| 1810 | [3039, 1175] | 4109 | [4196, 5044] | 6408 | [5748, 5092] | 8707 | [5917, 3266] |
| 1811 | [3040, 77]   | 4110 | [5725, 1904] | 6409 | [7588, 5333] | 8708 | [8961, 4136] |
| 1812 | [3041, 940]  | 4111 | [5722, 4712] | 6410 | [7626, 5632] | 8709 | [3541, 2751] |
| 1813 | [3042, 3043] | 4112 | [5726, 617]  | 6411 | [7627, 1893] | 8710 | [8318, 3849] |
| 1814 | [3044, 3045] | 4113 | [5727, 4912] | 6412 | [7628, 4543] | 8711 | [8250, 8523] |
| 1815 | [3046, 3047] | 4114 | [5728, 4780] | 6413 | [7629, 2382] | 8712 | [6206, 6106] |
| 1816 | [3048, 3049] | 4115 | [5729, 2405] | 6414 | [7284, 4797] | 8713 | [3349, 7097] |
| 1817 | [3050, 3051] | 4116 | [2536, 5484] | 6415 | [1795, 2478] | 8714 | [3966, 8962] |
| 1818 | [3052, 3053] | 4117 | [5730, 697]  | 6416 | [7630, 7631] | 8715 | [988, 2709]  |
| 1819 | [3054, 3055] | 4118 | [5731, 36]   | 6417 | [7632, 5055] | 8716 | [8451, 6808] |
| 1820 | [1115, 1048] | 4119 | [597, 655]   | 6418 | [4897, 7633] | 8717 | [2880, 4041] |
| 1821 | [3056, 3057] | 4120 | [5732, 4688] | 6419 | [7634, 2050] | 8718 | [8963, 8964] |
| 1822 | [3058, 123]  | 4121 | [5733, 5405] | 6420 | [7635, 7280] | 8719 | [8152, 3766] |
| 1823 | [3059, 3060] | 4122 | [5734, 5735] | 6421 | [5655, 2276] | 8720 | [8965, 8951] |
| 1824 | [3061, 3062] | 4123 | [5736, 5264] | 6422 | [4718, 1848] | 8721 | [4123, 6951] |
| 1825 | [3063, 3064] | 4124 | [2695, 1905] | 6423 | [4997, 4647] | 8722 | [8966, 6899] |
| 1826 | [3065, 3066] | 4125 | [5737, 2146] | 6424 | [7636, 7637] | 8723 | [5863, 5868] |
| 1827 | [3067, 1139] | 4126 | [5738, 2202] | 6425 | [7638, 7391] | 8724 | [8967, 8968] |
| 1828 | [3068, 3069] | 4127 | [2240, 2247] | 6426 | [7214, 7335] | 8725 | [8969, 4006] |
| 1829 | [3070, 3071] | 4128 | [5406, 5739] | 6427 | [7639, 7640] | 8726 | [8970, 8263] |
| 1830 | [930, 3072]  | 4129 | [5036, 4730] | 6428 | [2576, 791]  | 8727 | [3383, 8499] |
| 1831 | [3073, 923]  | 4130 | [2305, 4514] | 6429 | [5744, 637]  | 8728 | [8971, 3811] |
| 1832 | [3074, 3075] | 4131 | [5740, 4788] | 6430 | [484, 2530]  | 8729 | [3411, 8972] |
| 1833 | [1586, 3076] | 4132 | [4402, 5741] | 6431 | [4999, 7641] | 8730 | [8973, 1158] |
| 1834 | [3003, 3077] | 4133 | [137, 481]   | 6432 | [7642, 7188] | 8731 | [4057, 6854] |
| 1835 | [3078, 2954] | 4134 | [2401, 5721] | 6433 | [7643, 4961] | 8732 | [8974, 8636] |
| 1836 | [3079, 3080] | 4135 | [5742, 5084] | 6434 | [7644, 7645] | 8733 | [6560, 3832] |
| 1837 | [3081, 3082] | 4136 | [5743, 5238] | 6435 | [5174, 7646] | 8734 | [6181, 1336] |
| 1838 | [3083, 896]  | 4137 | [5744, 2214] | 6436 | [485, 2669]  | 8735 | [8975, 6764] |
| 1839 | [3084, 3085] | 4138 | [5745, 4652] | 6437 | [7647, 4699] | 8736 | [8976, 8977] |
| 1840 | [3086, 3087] | 4139 | [5746, 4399] | 6438 | [2625, 2674] | 8737 | [7096, 3456] |
| 1841 | [3088, 3089] | 4140 | [5747, 5748] | 6439 | [751, 747]   | 8738 | [5877, 6038] |
| 1842 | [3090, 3091] | 4141 | [5749, 757]  | 6440 | [2427, 4416] | 8739 | [6326, 1051] |
| 1843 | [1148, 3092] | 4142 | [5750, 5751] | 6441 | [1639, 7648] | 8740 | [8497, 8641] |
| 1844 | [3093, 917]  | 4143 | [5752, 2643] | 6442 | [7649, 7650] | 8741 | [8978, 8979] |
| 1845 | [926, 3094]  | 4144 | [5753, 5754] | 6443 | [4510, 769]  | 8742 | [3399, 6221] |
| 1846 | [3095, 2845] | 4145 | [5755, 4786] | 6444 | [1867, 4795] | 8743 | [8980, 8981] |
| 1847 | [3096, 312]  | 4146 | [632, 827]   | 6445 | [7341, 4796] | 8744 | [6524, 6016] |
| 1848 | [3097, 3098] | 4147 | [4617, 1910] | 6446 | [4310, 556]  | 8745 | [8982, 3004] |
| 1849 | [3099, 2960] | 4148 | [5756, 828]  | 6447 | [7651, 2419] | 8746 | [8983, 8984] |
| 1850 | [3100, 3101] | 4149 | [5757, 744]  | 6448 | [5443, 4877] | 8747 | [8985, 3163] |
| 1851 | [3015, 3102] | 4150 | [4924, 5216] | 6449 | [2236, 1622] | 8748 | [8986, 6001] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1852 | [3103, 3104] | 4151 | [5758, 2195] | 6450 | [7652, 5338] | 8749 | [3858, 8605] |
| 1853 | [3105, 1219] | 4152 | [5759, 5760] | 6451 | [2515, 7653] | 8750 | [8987, 8988] |
| 1854 | [3106, 1016] | 4153 | [5761, 2555] | 6452 | [7654, 5497] | 8751 | [6606, 6319] |
| 1855 | [1535, 3107] | 4154 | [5762, 5572] | 6453 | [2022, 1722] | 8752 | [464, 6721]  |
| 1856 | [1378, 3108] | 4155 | [2029, 5347] | 6454 | [7655, 7656] | 8753 | [6733, 6057] |
| 1857 | [3109, 2724] | 4156 | [5309, 5763] | 6455 | [877, 7657]  | 8754 | [3817, 8989] |
| 1858 | [1038, 3110] | 4157 | [489, 5764]  | 6456 | [7317, 7285] | 8755 | [1594, 1032] |
| 1859 | [3111, 3112] | 4158 | [5363, 1761] | 6457 | [5005, 1723] | 8756 | [5939, 439]  |
| 1860 | [3113, 3114] | 4159 | [2359, 1810] | 6458 | [465, 182]   | 8757 | [4133, 8525] |
| 1861 | [3115, 3116] | 4160 | [5264, 1607] | 6459 | [7658, 4393] | 8758 | [7111, 6515] |
| 1862 | [3117, 348]  | 4161 | [4663, 4806] | 6460 | [7659, 2052] | 8759 | [8990, 8991] |
| 1863 | [3118, 3119] | 4162 | [5765, 564]  | 6461 | [4248, 2435] | 8760 | [7037, 8445] |
| 1864 | [101, 3120]  | 4163 | [37, 4361]   | 6462 | [7660, 5471] | 8761 | [8992, 8993] |
| 1865 | [3121, 3122] | 4164 | [5766, 5510] | 6463 | [4590, 7410] | 8762 | [6603, 3997] |
| 1866 | [28, 3123]   | 4165 | [5767, 5074] | 6464 | [7661, 7380] | 8763 | [3112, 1552] |
| 1867 | [3124, 1305] | 4166 | [5768, 771]  | 6465 | [1805, 7662] | 8764 | [3218, 3056] |
| 1868 | [1402, 1367] | 4167 | [5769, 4375] | 6466 | [7663, 7664] | 8765 | [8994, 8995] |
| 1869 | [3080, 3125] | 4168 | [4470, 1786] | 6467 | [7665, 2378] | 8766 | [8996, 5844] |
| 1870 | [3126, 1492] | 4169 | [2670, 5770] | 6468 | [7666, 7667] | 8767 | [8630, 3655] |
| 1871 | [2974, 1561] | 4170 | [4963, 1715] | 6469 | [7668, 4521] | 8768 | [6769, 413]  |
| 1872 | [3127, 3128] | 4171 | [5771, 4971] | 6470 | [718, 2221]  | 8769 | [8997, 7030] |
| 1873 | [3129, 1351] | 4172 | [4822, 4885] | 6471 | [7304, 723]  | 8770 | [3152, 8244] |
| 1874 | [3130, 3131] | 4173 | [5387, 4228] | 6472 | [2227, 2625] | 8771 | [8998, 8999] |
| 1875 | [3132, 385]  | 4174 | [5772, 2658] | 6473 | [7669, 4754] | 8772 | [6971, 8602] |
| 1876 | [3133, 890]  | 4175 | [5773, 2192] | 6474 | [5080, 2660] | 8773 | [3245, 2869] |
| 1877 | [3134, 3135] | 4176 | [1694, 2107] | 6475 | [1762, 7670] | 8774 | [8603, 6295] |
| 1878 | [3136, 2977] | 4177 | [5774, 5061] | 6476 | [4622, 4867] | 8775 | [4023, 8146] |
| 1879 | [3137, 360]  | 4178 | [5775, 4281] | 6477 | [7519, 5682] | 8776 | [9000, 8162] |
| 1880 | [3027, 3138] | 4179 | [5776, 5777] | 6478 | [7671, 7672] | 8777 | [9001, 3784] |
| 1881 | [3066, 3139] | 4180 | [5778, 5453] | 6479 | [7343, 7673] | 8778 | [4064, 6748] |
| 1882 | [3140, 3141] | 4181 | [5779, 526]  | 6480 | [7674, 5490] | 8779 | [3357, 5910] |
| 1883 | [1446, 3142] | 4182 | [1964, 2572] | 6481 | [5169, 7675] | 8780 | [9002, 9003] |
| 1884 | [3143, 3144] | 4183 | [5780, 5781] | 6482 | [2325, 2174] | 8781 | [9004, 8405] |
| 1885 | [3145, 3146] | 4184 | [5038, 1952] | 6483 | [7599, 7597] | 8782 | [8542, 3415] |
| 1886 | [3147, 3148] | 4185 | [2230, 4294] | 6484 | [4242, 760]  | 8783 | [9005, 1570] |
| 1887 | [3149, 3150] | 4186 | [825, 5782]  | 6485 | [5755, 7676] | 8784 | [9006, 6847] |
| 1888 | [3151, 1056] | 4187 | [2804, 3675] | 6486 | [7677, 1948] | 8785 | [9007, 6158] |
| 1889 | [3152, 3153] | 4188 | [5783, 4122] | 6487 | [5511, 5394] | 8786 | [3097, 4076] |
| 1890 | [3154, 3011] | 4189 | [2830, 412]  | 6488 | [5690, 4645] | 8787 | [389, 3392]  |
| 1891 | [3155, 3156] | 4190 | [5784, 3360] | 6489 | [7678, 2529] | 8788 | [9008, 3393] |
| 1892 | [3157, 3158] | 4191 | [5785, 3401] | 6490 | [7679, 7680] | 8789 | [8492, 5976] |
| 1893 | [3159, 3160] | 4192 | [5786, 5787] | 6491 | [7294, 7681] | 8790 | [5951, 3398] |
| 1894 | [3161, 1315] | 4193 | [1316, 2984] | 6492 | [7682, 5362] | 8791 | [9009, 1201] |
| 1895 | [3162, 3163] | 4194 | [3248, 1372] | 6493 | [4629, 4405] | 8792 | [3757, 6966] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1896 | [3164, 3165] | 4195 | [3980, 400]  | 6494 | [7683, 47]   | 8793 | [7063, 9010] |
| 1897 | [3114, 2717] | 4196 | [5788, 1305] | 6495 | [2585, 2250] | 8794 | [9011, 325]  |
| 1898 | [3166, 3167] | 4197 | [5789, 5790] | 6496 | [7179, 5464] | 8795 | [312, 1076]  |
| 1899 | [1067, 97]   | 4198 | [5791, 5792] | 6497 | [5351, 2273] | 8796 | [3956, 2723] |
| 1900 | [1205, 2800] | 4199 | [5793, 5794] | 6498 | [182, 4722]  | 8797 | [889, 4021]  |
| 1901 | [3168, 3169] | 4200 | [4128, 3525] | 6499 | [7684, 2568] | 8798 | [8466, 918]  |
| 1902 | [291, 946]   | 4201 | [5795, 5796] | 6500 | [1652, 1660] | 8799 | [9012, 7135] |
| 1903 | [3170, 922]  | 4202 | [5797, 5798] | 6501 | [4711, 4988] | 8800 | [3863, 8336] |
| 1904 | [1185, 975]  | 4203 | [5799, 2990] | 6502 | [7464, 7685] | 8801 | [8238, 9013] |
| 1905 | [1587, 1060] | 4204 | [5800, 3789] | 6503 | [7686, 7320] | 8802 | [1067, 1041] |
| 1906 | [3171, 3172] | 4205 | [925, 5801]  | 6504 | [2642, 5767] | 8803 | [3079, 3687] |
| 1907 | [1440, 1251] | 4206 | [5802, 5803] | 6505 | [5652, 147]  | 8804 | [412, 6328]  |
| 1908 | [3173, 2755] | 4207 | [2967, 3795] | 6506 | [5450, 7309] | 8805 | [9014, 6965] |
| 1909 | [1178, 3174] | 4208 | [5804, 5805] | 6507 | [7687, 1694] | 8806 | [3042, 8141] |
| 1910 | [2883, 3175] | 4209 | [5806, 3994] | 6508 | [5638, 5053] | 8807 | [18, 6385]   |
| 1911 | [3176, 1481] | 4210 | [3300, 984]  | 6509 | [7688, 7689] | 8808 | [1338, 8309] |
| 1912 | [1004, 2983] | 4211 | [3474, 5807] | 6510 | [1812, 843]  | 8809 | [9015, 9016] |
| 1913 | [3177, 3178] | 4212 | [5808, 5809] | 6511 | [7690, 1688] | 8810 | [6005, 6459] |
| 1914 | [3179, 3180] | 4213 | [3173, 374]  | 6512 | [5667, 4555] | 8811 | [9017, 8133] |
| 1915 | [3181, 3182] | 4214 | [5810, 3270] | 6513 | [4430, 2658] | 8812 | [6745, 3824] |
| 1916 | [3183, 3184] | 4215 | [5811, 3939] | 6514 | [7691, 2684] | 8813 | [9018, 1504] |
| 1917 | [3185, 3186] | 4216 | [3569, 5812] | 6515 | [7692, 2369] | 8814 | [3688, 8374] |
| 1918 | [1262, 3187] | 4217 | [5813, 5814] | 6516 | [4289, 7693] | 8815 | [8600, 7016] |
| 1919 | [3188, 3189] | 4218 | [5815, 5816] | 6517 | [5108, 7694] | 8816 | [9019, 9020] |
| 1920 | [3190, 1535] | 4219 | [5817, 3040] | 6518 | [5673, 7646] | 8817 | [6470, 6765] |
| 1921 | [3191, 3192] | 4220 | [5818, 1169] | 6519 | [1945, 4402] | 8818 | [8514, 6755] |
| 1922 | [3193, 3194] | 4221 | [1561, 5819] | 6520 | [1653, 7695] | 8819 | [9021, 3913] |
| 1923 | [1522, 3195] | 4222 | [5820, 1073] | 6521 | [7530, 4864] | 8820 | [9022, 6048] |
| 1924 | [284, 3196]  | 4223 | [5821, 5822] | 6522 | [5516, 871]  | 8821 | [3892, 9023] |
| 1925 | [3197, 3198] | 4224 | [1334, 5823] | 6523 | [48, 2073]   | 8822 | [5938, 5960] |
| 1926 | [3199, 3200] | 4225 | [3204, 5824] | 6524 | [7696, 4201] | 8823 | [9024, 9025] |
| 1927 | [3201, 3202] | 4226 | [5825, 391]  | 6525 | [5495, 7436] | 8824 | [3320, 6723] |
| 1928 | [3203, 1577] | 4227 | [5826, 5827] | 6526 | [7697, 7698] | 8825 | [3475, 2708] |
| 1929 | [103, 3204]  | 4228 | [5828, 5829] | 6527 | [7321, 211]  | 8826 | [9026, 6219] |
| 1930 | [2821, 3205] | 4229 | [5830, 5831] | 6528 | [7224, 7699] | 8827 | [1519, 8557] |
| 1931 | [3206, 2923] | 4230 | [5832, 5833] | 6529 | [7332, 2193] | 8828 | [9027, 8363] |
| 1932 | [3207, 1501] | 4231 | [3701, 3493] | 6530 | [5343, 2533] | 8829 | [3876, 3385] |
| 1933 | [3208, 3209] | 4232 | [5834, 5835] | 6531 | [5606, 1656] | 8830 | [9028, 6568] |
| 1934 | [3210, 3211] | 4233 | [5836, 1520] | 6532 | [5035, 1713] | 8831 | [1208, 3815] |
| 1935 | [3212, 3131] | 4234 | [5837, 5838] | 6533 | [4371, 5675] | 8832 | [9029, 3296] |
| 1936 | [3213, 3214] | 4235 | [5839, 5840] | 6534 | [7700, 7387] | 8833 | [1276, 6903] |
| 1937 | [3215, 1213] | 4236 | [5841, 5842] | 6535 | [5186, 7228] | 8834 | [9030, 7016] |
| 1938 | [82, 23]     | 4237 | [3391, 5843] | 6536 | [7701, 4421] | 8835 | [421, 6860]  |
| 1939 | [3216, 3217] | 4238 | [3890, 3821] | 6537 | [7702, 5085] | 8836 | [2760, 2972] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1940 | [3218, 3031] | 4239 | [5844, 2946] | 6538 | [1629, 1644] | 8837 | [9031, 4073] |
| 1941 | [1330, 356]  | 4240 | [5845, 1295] | 6539 | [696, 606]   | 8838 | [9032, 8988] |
| 1942 | [3219, 3220] | 4241 | [5846, 3230] | 6540 | [187, 7480]  | 8839 | [9033, 9034] |
| 1943 | [3221, 2913] | 4242 | [5847, 1409] | 6541 | [4198, 4454] | 8840 | [6678, 9013] |
| 1944 | [3222, 3223] | 4243 | [372, 1581]  | 6542 | [7694, 7703] | 8841 | [3929, 9035] |
| 1945 | [3224, 383]  | 4244 | [2813, 5848] | 6543 | [4851, 174]  | 8842 | [9036, 6312] |
| 1946 | [3225, 3214] | 4245 | [1247, 5849] | 6544 | [7704, 7705] | 8843 | [9006, 9037] |
| 1947 | [3226, 1287] | 4246 | [5850, 5851] | 6545 | [7706, 7664] | 8844 | [3933, 3810] |
| 1948 | [3227, 3228] | 4247 | [5852, 5853] | 6546 | [7707, 2548] | 8845 | [3614, 4147] |
| 1949 | [3229, 3230] | 4248 | [1152, 1556] | 6547 | [4438, 4978] | 8846 | [6992, 1391] |
| 1950 | [3231, 1399] | 4249 | [3310, 3935] | 6548 | [4639, 7368] | 8847 | [265, 6736]  |
| 1951 | [343, 3232]  | 4250 | [5854, 3225] | 6549 | [7708, 1861] | 8848 | [3935, 2801] |
| 1952 | [3233, 3234] | 4251 | [3048, 251]  | 6550 | [850, 7709]  | 8849 | [9038, 8962] |
| 1953 | [3235, 3236] | 4252 | [3436, 996]  | 6551 | [7710, 7711] | 8850 | [9039, 6062] |
| 1954 | [3237, 3238] | 4253 | [5855, 3552] | 6552 | [7712, 5323] | 8851 | [5836, 8557] |
| 1955 | [1441, 3239] | 4254 | [5856, 3758] | 6553 | [7713, 7412] | 8852 | [9040, 4004] |
| 1956 | [2937, 255]  | 4255 | [5857, 4110] | 6554 | [873, 5315]  | 8853 | [8956, 9041] |
| 1957 | [3240, 3241] | 4256 | [3973, 4112] | 6555 | [4665, 7714] | 8854 | [6846, 9037] |
| 1958 | [3242, 1335] | 4257 | [275, 3038]  | 6556 | [4224, 200]  | 8855 | [3598, 335]  |
| 1959 | [3243, 3244] | 4258 | [5858, 3713] | 6557 | [7715, 2022] | 8856 | [9042, 3747] |
| 1960 | [3244, 3098] | 4259 | [5859, 3535] | 6558 | [7716, 7211] | 8857 | [9043, 8413] |
| 1961 | [3245, 944]  | 4260 | [3551, 4045] | 6559 | [7717, 7718] | 8858 | [6935, 6207] |
| 1962 | [3246, 2736] | 4261 | [5860, 3729] | 6560 | [7520, 7673] | 8859 | [9044, 3844] |
| 1963 | [3247, 463]  | 4262 | [3875, 5861] | 6561 | [7719, 4717] | 8860 | [9045, 3288] |
| 1964 | [1162, 318]  | 4263 | [5862, 3550] | 6562 | [7720, 5590] | 8861 | [9046, 8228] |
| 1965 | [3248, 3249] | 4264 | [3440, 5863] | 6563 | [7721, 7493] | 8862 | [9047, 6565] |
| 1966 | [1012, 3250] | 4265 | [5864, 342]  | 6564 | [7722, 2254] | 8863 | [9048, 6963] |
| 1967 | [3251, 3252] | 4266 | [5865, 3137] | 6565 | [5294, 38]   | 8864 | [8240, 8955] |
| 1968 | [890, 3253]  | 4267 | [1165, 3501] | 6566 | [7723, 5229] | 8865 | [1555, 1153] |
| 1969 | [3135, 1081] | 4268 | [5866, 5867] | 6567 | [564, 7724]  | 8866 | [6178, 434]  |
| 1970 | [1138, 1214] | 4269 | [3441, 5868] | 6568 | [7725, 7726] | 8867 | [6495, 9041] |
| 1971 | [3254, 3255] | 4270 | [5869, 5870] | 6569 | [7727, 7432] | 8868 | [6369, 6887] |
| 1972 | [3256, 3257] | 4271 | [5871, 5872] | 6570 | [2675, 4954] | 8869 | [9049, 9050] |
| 1973 | [3258, 3259] | 4272 | [5873, 3001] | 6571 | [7728, 2597] | 8870 | [9051, 7168] |
| 1974 | [3260, 3261] | 4273 | [5874, 5875] | 6572 | [7313, 2614] | 8871 | [7150, 6385] |
| 1975 | [3262, 3263] | 4274 | [5876, 5877] | 6573 | [2400, 1854] | 8872 | [5958, 6253] |
| 1976 | [3264, 3265] | 4275 | [5878, 1177] | 6574 | [7729, 4428] | 8873 | [6076, 3009] |
| 1977 | [3266, 3202] | 4276 | [342, 5879]  | 6575 | [60, 2045]   | 8874 | [9052, 9053] |
| 1978 | [3267, 3268] | 4277 | [3160, 5880] | 6576 | [1622, 1909] | 8875 | [6131, 6040] |
| 1979 | [3269, 3270] | 4278 | [5881, 3445] | 6577 | [1603, 7248] | 8876 | [8233, 3392] |
| 1980 | [3271, 3272] | 4279 | [1270, 5882] | 6578 | [7518, 1937] | 8877 | [6588, 3764] |
| 1981 | [3273, 3274] | 4280 | [5883, 3330] | 6579 | [7730, 2058] | 8878 | [6907, 6710] |
| 1982 | [3275, 3128] | 4281 | [5884, 5885] | 6580 | [725, 486]   | 8879 | [3997, 8647] |
| 1983 | [3276, 317]  | 4282 | [5886, 5887] | 6581 | [7731, 7399] | 8880 | [6115, 2744] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1984 | [3277, 3278] | 4283 | [3465, 3907] | 6582 | [4286, 4405] | 8881 | [9054, 8166] |
| 1985 | [2758, 1392] | 4284 | [5888, 3337] | 6583 | [7732, 2549] | 8882 | [9055, 3734] |
| 1986 | [3279, 3280] | 4285 | [5889, 5890] | 6584 | [4804, 5420] | 8883 | [9002, 9056] |
| 1987 | [965, 3281]  | 4286 | [5891, 2934] | 6585 | [7733, 1774] | 8884 | [9057, 8503] |
| 1988 | [3228, 409]  | 4287 | [4080, 1257] | 6586 | [5400, 541]  | 8885 | [6801, 8150] |
| 1989 | [3282, 3283] | 4288 | [2723, 5892] | 6587 | [7734, 4304] | 8886 | [9058, 6098] |
| 1990 | [3284, 3285] | 4289 | [5893, 2825] | 6588 | [4408, 5420] | 8887 | [6666, 1120] |
| 1991 | [3286, 3287] | 4290 | [5894, 3624] | 6589 | [7735, 4257] | 8888 | [8351, 9059] |
| 1992 | [3288, 3274] | 4291 | [2927, 5895] | 6590 | [7736, 7737] | 8889 | [948, 976]   |
| 1993 | [1070, 3289] | 4292 | [5896, 5897] | 6591 | [4517, 5656] | 8890 | [9060, 3067] |
| 1994 | [1190, 2942] | 4293 | [1496, 5898] | 6592 | [7557, 7699] | 8891 | [312, 262]   |
| 1995 | [1003, 1315] | 4294 | [5899, 5900] | 6593 | [7371, 5677] | 8892 | [6213, 8575] |
| 1996 | [3290, 1384] | 4295 | [3766, 3681] | 6594 | [4631, 5183] | 8893 | [9061, 925]  |
| 1997 | [3291, 3292] | 4296 | [1598, 5901] | 6595 | [7738, 7739] | 8894 | [3392, 3732] |
| 1998 | [3293, 448]  | 4297 | [3697, 1169] | 6596 | [7740, 1629] | 8895 | [8586, 9062] |
| 1999 | [1213, 444]  | 4298 | [1097, 1443] | 6597 | [5464, 5312] | 8896 | [1575, 5947] |
| 2000 | [2854, 3294] | 4299 | [4042, 5902] | 6598 | [7741, 2077] | 8897 | [3499, 1049] |
| 2001 | [2856, 3295] | 4300 | [5903, 952]  | 6599 | [1704, 7641] | 8898 | [3490, 1536] |
| 2002 | [3296, 3297] | 4301 | [5904, 5905] | 6600 | [4551, 5412] | 8899 | [9063, 9064] |
| 2003 | [3298, 3299] | 4302 | [5906, 3605] | 6601 | [7469, 4906] | 8900 | [5788, 6902] |
| 2004 | [3300, 3301] | 4303 | [3992, 5907] | 6602 | [5735, 7742] | 8901 | [9065, 9066] |
| 2005 | [3275, 3302] | 4304 | [5908, 5909] | 6603 | [7269, 7546] | 8902 | [1571, 9067] |
| 2006 | [3303, 3304] | 4305 | [5910, 1259] | 6604 | [1889, 557]  | 8903 | [8950, 8309] |
| 2007 | [3305, 3306] | 4306 | [5911, 2721] | 6605 | [7743, 7543] | 8904 | [6385, 6261] |
| 2008 | [3307, 3308] | 4307 | [946, 4016]  | 6606 | [1940, 7569] | 8905 | [8601, 6972] |
| 2009 | [2890, 1299] | 4308 | [5912, 5902] | 6607 | [7744, 7745] | 8906 | [6215, 9062] |
| 2010 | [320, 1161]  | 4309 | [93, 5913]   | 6608 | [5358, 7680] | 8907 | [2782, 1489] |
| 2011 | [3309, 3310] | 4310 | [5914, 3682] | 6609 | [7329, 7746] | 8908 | [7080, 9068] |
| 2012 | [3311, 3312] | 4311 | [5915, 1235] | 6610 | [530, 5427]  | 8909 | [6048, 3843] |
| 2013 | [3313, 3314] | 4312 | [322, 1478]  | 6611 | [5600, 4929] | 8910 | [8117, 6018] |
| 2014 | [3315, 3316] | 4313 | [5916, 367]  | 6612 | [4846, 1976] | 8911 | [6437, 8242] |
| 2015 | [1080, 3317] | 4314 | [5917, 3201] | 6613 | [7747, 7748] | 8912 | [1397, 8648] |
| 2016 | [3318, 3319] | 4315 | [5918, 3657] | 6614 | [7749, 7232] | 8913 | [6202, 5898] |
| 2017 | [3320, 3006] | 4316 | [2965, 3378] | 6615 | [7613, 5461] | 8914 | [3506, 8536] |
| 2018 | [3321, 3322] | 4317 | [4003, 1464] | 6616 | [5100, 2302] | 8915 | [4077, 6534] |
| 2019 | [3323, 3324] | 4318 | [4168, 100]  | 6617 | [7712, 7750] | 8916 | [6294, 8604] |
| 2020 | [3325, 3326] | 4319 | [3130, 3168] | 6618 | [5397, 7751] | 8917 | [9069, 9070] |
| 2021 | [3327, 3328] | 4320 | [2911, 5919] | 6619 | [7752, 7203] | 8918 | [9071, 1553] |
| 2022 | [3329, 404]  | 4321 | [3791, 5920] | 6620 | [4633, 5328] | 8919 | [8124, 8583] |
| 2023 | [362, 3330]  | 4322 | [2837, 5921] | 6621 | [4473, 4447] | 8920 | [8341, 8989] |
| 2024 | [3331, 69]   | 4323 | [5922, 5923] | 6622 | [7753, 4562] | 8921 | [3467, 94]   |
| 2025 | [3332, 3333] | 4324 | [5924, 3604] | 6623 | [1666, 5703] | 8922 | [3831, 8227] |
| 2026 | [3334, 3335] | 4325 | [5925, 4120] | 6624 | [1604, 4679] | 8923 | [1589, 3710] |
| 2027 | [3336, 3337] | 4326 | [5899, 5832] | 6625 | [816, 4772]  | 8924 | [9072, 9073] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 2028 | [3338, 3339] | 4327 | [5926, 5927] | 6626 | [7754, 4879] | 8925 | [8160, 1405] |
| 2029 | [3340, 3341] | 4328 | [5928, 1586] | 6627 | [7755, 4861] | 8926 | [1358, 8207] |
| 2030 | [3342, 3343] | 4329 | [5929, 3246] | 6628 | [7756, 4212] | 8927 | [9074, 6778] |
| 2031 | [3344, 1223] | 4330 | [3773, 4054] | 6629 | [7553, 5609] | 8928 | [9075, 5831] |
| 2032 | [3345, 3265] | 4331 | [5930, 29]   | 6630 | [856, 5148]  | 8929 | [2957, 8144] |
| 2033 | [3346, 3347] | 4332 | [1076, 263]  | 6631 | [7757, 4734] | 8930 | [5996, 6968] |
| 2034 | [3348, 1014] | 4333 | [1244, 5931] | 6632 | [7310, 5310] | 8931 | [6884, 9010] |
| 2035 | [3349, 3350] | 4334 | [5932, 4085] | 6633 | [7758, 5470] | 8932 | [9076, 8308] |
| 2036 | [3351, 2989] | 4335 | [2713, 5933] | 6634 | [5434, 2051] | 8933 | [9077, 6790] |
| 2037 | [3352, 121]  | 4336 | [5934, 5935] | 6635 | [4569, 1622] | 8934 | [9078, 7006] |
| 2038 | [3179, 1144] | 4337 | [3266, 5936] | 6636 | [7759, 2508] | 8935 | [297, 3897]  |
| 2039 | [3353, 3354] | 4338 | [5937, 5938] | 6637 | [5008, 2387] | 8936 | [8563, 1113] |
| 2040 | [1173, 3198] | 4339 | [5939, 3973] | 6638 | [2195, 2173] | 8937 | [1569, 2829] |
| 2041 | [3355, 3356] | 4340 | [5940, 5941] | 6639 | [4414, 5385] | 8938 | [3315, 3997] |
| 2042 | [3357, 1258] | 4341 | [5942, 1333] | 6640 | [5083, 5183] | 8939 | [3736, 6797] |
| 2043 | [1357, 3358] | 4342 | [5943, 2768] | 6641 | [5399, 7583] | 8940 | [6436, 6158] |
| 2044 | [3359, 3360] | 4343 | [461, 3570]  | 6642 | [7760, 7218] | 8941 | [8833, 7874] |
| 2045 | [3361, 3362] | 4344 | [5944, 5945] | 6643 | [7761, 5719] | 8942 | [4404, 7839] |
| 2046 | [121, 3363]  | 4345 | [5946, 5947] | 6644 | [5608, 5357] | 8943 | [8658, 2138] |
| 2047 | [2868, 345]  | 4346 | [5948, 1456] | 6645 | [4376, 7762] | 8944 | [4943, 2578] |
| 2048 | [3364, 3365] | 4347 | [921, 5949]  | 6646 | [7763, 5599] | 8945 | [1984, 5331] |
| 2049 | [3366, 1029] | 4348 | [3343, 5890] | 6647 | [2257, 2204] | 8946 | [9079, 9080] |
| 2050 | [3323, 1384] | 4349 | [3575, 3192] | 6648 | [7764, 7765] | 8947 | [7324, 2405] |
| 2051 | [3198, 3367] | 4350 | [5950, 3850] | 6649 | [5729, 204]  | 8948 | [7938, 1756] |
| 2052 | [3368, 71]   | 4351 | [5951, 4071] | 6650 | [5214, 4353] | 8949 | [5762, 2032] |
| 2053 | [3369, 464]  | 4352 | [4034, 5877] | 6651 | [7766, 4476] | 8950 | [2104, 5286] |
| 2054 | [3370, 3371] | 4353 | [5952, 3983] | 6652 | [7484, 7767] | 8951 | [9081, 4282] |
| 2055 | [3372, 3373] | 4354 | [5953, 4006] | 6653 | [7431, 5295] | 8952 | [5477, 5028] |
| 2056 | [3374, 1242] | 4355 | [5954, 1183] | 6654 | [34, 7768]   | 8953 | [7288, 2411] |
| 2057 | [3375, 3376] | 4356 | [5955, 2907] | 6655 | [7769, 758]  | 8954 | [164, 5186]  |
| 2058 | [3377, 3378] | 4357 | [3830, 5956] | 6656 | [7770, 7745] | 8955 | [9082, 2369] |
| 2059 | [3379, 1010] | 4358 | [5957, 1417] | 6657 | [7771, 4667] | 8956 | [690, 599]   |
| 2060 | [3380, 3381] | 4359 | [5958, 3209] | 6658 | [5048, 7772] | 8957 | [9083, 1630] |
| 2061 | [3382, 3383] | 4360 | [5959, 5960] | 6659 | [7773, 4961] | 8958 | [4297, 9084] |
| 2062 | [3384, 3385] | 4361 | [3197, 1174] | 6660 | [7702, 7621] | 8959 | [9085, 1870] |
| 2063 | [3386, 3387] | 4362 | [75, 5961]   | 6661 | [7774, 720]  | 8960 | [9086, 7220] |
| 2064 | [3388, 1265] | 4363 | [2826, 1489] | 6662 | [706, 2487]  | 8961 | [2599, 5594] |
| 2065 | [3389, 3390] | 4364 | [5962, 5963] | 6663 | [47, 2072]   | 8962 | [9087, 4501] |
| 2066 | [3391, 3250] | 4365 | [5964, 1349] | 6664 | [7775, 2551] | 8963 | [2348, 9088] |
| 2067 | [3392, 1597] | 4366 | [5965, 5966] | 6665 | [1918, 7776] | 8964 | [9089, 5507] |
| 2068 | [3393, 3394] | 4367 | [406, 5967]  | 6666 | [4305, 1944] | 8965 | [2281, 5584] |
| 2069 | [3395, 1263] | 4368 | [5968, 1312] | 6667 | [7777, 7778] | 8966 | [4346, 2428] |
| 2070 | [3396, 3397] | 4369 | [1137, 5969] | 6668 | [7779, 7780] | 8967 | [9090, 7704] |
| 2071 | [3398, 3399] | 4370 | [5970, 1035] | 6669 | [7781, 4673] | 8968 | [513, 9091]  |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 2072 | [3384, 3400] | 4371 | [3075, 909]  | 6670 | [1883, 5681] | 8969 | [206, 5634]  |
| 2073 | [95, 3401]   | 4372 | [4004, 1465] | 6671 | [7782, 5281] | 8970 | [2346, 7985] |
| 2074 | [3402, 436]  | 4373 | [1240, 5971] | 6672 | [7204, 1975] | 8971 | [806, 8839]  |
| 2075 | [3403, 269]  | 4374 | [2803, 3139] | 6673 | [7783, 2232] | 8972 | [9092, 588]  |
| 2076 | [3404, 3405] | 4375 | [4183, 1504] | 6674 | [2304, 2256] | 8973 | [162, 4366]  |
| 2077 | [3406, 1264] | 4376 | [5972, 1354] | 6675 | [7784, 7785] | 8974 | [801, 7890]  |
| 2078 | [1124, 1340] | 4377 | [5973, 104]  | 6676 | [7786, 2077] | 8975 | [4400, 7702] |
| 2079 | [397, 3407]  | 4378 | [5974, 1396] | 6677 | [7787, 7788] | 8976 | [5520, 7768] |
| 2080 | [3408, 3409] | 4379 | [2930, 2755] | 6678 | [4501, 5582] | 8977 | [9093, 9094] |
| 2081 | [3410, 3411] | 4380 | [5975, 2756] | 6679 | [7789, 7261] | 8978 | [2200, 7602] |
| 2082 | [3412, 3413] | 4381 | [5976, 3965] | 6680 | [7790, 647]  | 8979 | [9095, 8688] |
| 2083 | [3414, 3415] | 4382 | [5977, 5978] | 6681 | [7791, 7256] | 8980 | [4402, 8076] |
| 2084 | [3416, 3417] | 4383 | [3446, 5854] | 6682 | [7792, 1614] | 8981 | [4900, 2002] |
| 2085 | [3418, 3419] | 4384 | [1023, 5979] | 6683 | [7793, 4482] | 8982 | [7349, 7805] |
| 2086 | [3420, 3421] | 4385 | [5980, 3474] | 6684 | [7794, 4565] | 8983 | [7219, 9096] |
| 2087 | [3422, 3423] | 4386 | [3104, 2756] | 6685 | [7745, 825]  | 8984 | [9097, 7384] |
| 2088 | [461, 3397]  | 4387 | [462, 5981]  | 6686 | [4673, 7795] | 8985 | [756, 9098]  |
| 2089 | [2926, 3059] | 4388 | [5982, 5983] | 6687 | [7308, 5451] | 8986 | [9099, 7397] |
| 2090 | [3424, 3425] | 4389 | [3533, 5984] | 6688 | [7796, 4413] | 8987 | [7477, 9100] |
| 2091 | [3426, 3427] | 4390 | [5985, 5986] | 6689 | [5758, 2172] | 8988 | [9101, 9102] |
| 2092 | [3428, 3429] | 4391 | [1047, 1116] | 6690 | [7797, 5027] | 8989 | [9103, 2699] |
| 2093 | [3430, 3431] | 4392 | [5987, 5988] | 6691 | [7798, 1853] | 8990 | [8846, 1986] |
| 2094 | [3006, 3432] | 4393 | [1345, 3185] | 6692 | [7799, 4460] | 8991 | [9104, 5140] |
| 2095 | [3433, 3434] | 4394 | [905, 1250]  | 6693 | [520, 7800]  | 8992 | [7955, 130]  |
| 2096 | [3435, 1208] | 4395 | [5989, 1431] | 6694 | [4343, 60]   | 8993 | [9105, 540]  |
| 2097 | [3436, 3437] | 4396 | [3036, 3783] | 6695 | [7801, 4368] | 8994 | [126, 7860]  |
| 2098 | [3438, 3439] | 4397 | [5990, 5991] | 6696 | [7802, 7803] | 8995 | [9106, 5221] |
| 2099 | [3440, 3441] | 4398 | [3720, 5972] | 6697 | [7804, 4289] | 8996 | [9107, 4495] |
| 2100 | [3442, 3443] | 4399 | [3077, 3796] | 6698 | [5359, 1658] | 8997 | [5023, 1820] |
| 2101 | [3281, 2763] | 4400 | [2764, 5992] | 6699 | [4829, 7805] | 8998 | [179, 9108]  |
| 2102 | [379, 1557]  | 4401 | [3447, 3225] | 6700 | [7806, 206]  | 8999 | [7888, 9109] |
| 2103 | [3444, 3445] | 4402 | [5993, 5994] | 6701 | [7807, 4370] | 9000 | [9086, 9096] |
| 2104 | [378, 30]    | 4403 | [5995, 974]  | 6702 | [7808, 2582] | 9001 | [9110, 4301] |
| 2105 | [3446, 3447] | 4404 | [5996, 2864] | 6703 | [173, 2602]  | 9002 | [4945, 4557] |
| 2106 | [3448, 3449] | 4405 | [5997, 2737] | 6704 | [7809, 2538] | 9003 | [9111, 5435] |
| 2107 | [3450, 3451] | 4406 | [3750, 1438] | 6705 | [4977, 7693] | 9004 | [4616, 5549] |
| 2108 | [3452, 3453] | 4407 | [5998, 3255] | 6706 | [2302, 4608] | 9005 | [4624, 7417] |
| 2109 | [3454, 1462] | 4408 | [5932, 5999] | 6707 | [7810, 643]  | 9006 | [4378, 7944] |
| 2110 | [1196, 3455] | 4409 | [6000, 1583] | 6708 | [7811, 7812] | 9007 | [8006, 4448] |
| 2111 | [1528, 3300] | 4410 | [3265, 6001] | 6709 | [4335, 4746] | 9008 | [5056, 1680] |
| 2112 | [2732, 1003] | 4411 | [6002, 1068] | 6710 | [7813, 7389] | 9009 | [4627, 9088] |
| 2113 | [3456, 3457] | 4412 | [929, 6003]  | 6711 | [2033, 1753] | 9010 | [9112, 8660] |
| 2114 | [1118, 3458] | 4413 | [6004, 2839] | 6712 | [7814, 1635] | 9011 | [9113, 7818] |
| 2115 | [3459, 1226] | 4414 | [6005, 6006] | 6713 | [7815, 4455] | 9012 | [7953, 7843] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 2116 | [3460, 1412] | 4415 | [6007, 6008] | 6714 | [7816, 4545] | 9013 | [8861, 9114] |
| 2117 | [3461, 3462] | 4416 | [3863, 915]  | 6715 | [7817, 1919] | 9014 | [4209, 5275] |
| 2118 | [3463, 3464] | 4417 | [6009, 4126] | 6716 | [5259, 5209] | 9015 | [5737, 4766] |
| 2119 | [3465, 241]  | 4418 | [2822, 6010] | 6717 | [7807, 5081] | 9016 | [2398, 2665] |
| 2120 | [3466, 3467] | 4419 | [6011, 6012] | 6718 | [7818, 7819] | 9017 | [1811, 9115] |
| 2121 | [3468, 1184] | 4420 | [6013, 1134] | 6719 | [1749, 7426] | 9018 | [9116, 2574] |
| 2122 | [3035, 1443] | 4421 | [3158, 6014] | 6720 | [7820, 7413] | 9019 | [2310, 7407] |
| 2123 | [1036, 360]  | 4422 | [3373, 3736] | 6721 | [7821, 5419] | 9020 | [4870, 5651] |
| 2124 | [3469, 2733] | 4423 | [6015, 5857] | 6722 | [7822, 7705] | 9021 | [1697, 7648] |
| 2125 | [3470, 1533] | 4424 | [6016, 2719] | 6723 | [7823, 7271] | 9022 | [2050, 5486] |
| 2126 | [3471, 1438] | 4425 | [6017, 3205] | 6724 | [147, 7369]  | 9023 | [9117, 588]  |
| 2127 | [3472, 1118] | 4426 | [3579, 5792] | 6725 | [7824, 2548] | 9024 | [5728, 4448] |
| 2128 | [1572, 3473] | 4427 | [6018, 6019] | 6726 | [7642, 4957] | 9025 | [9118, 8776] |
| 2129 | [3474, 1024] | 4428 | [5786, 6020] | 6727 | [7825, 2589] | 9026 | [9119, 7500] |
| 2130 | [3475, 3476] | 4429 | [6021, 4151] | 6728 | [7222, 4832] | 9027 | [5184, 9120] |
| 2131 | [3477, 3478] | 4430 | [3106, 3016] | 6729 | [7826, 7548] | 9028 | [1710, 9111] |
| 2132 | [3479, 3480] | 4431 | [6022, 1200] | 6730 | [1922, 2026] | 9029 | [1800, 2446] |
| 2133 | [3481, 1302] | 4432 | [6022, 6023] | 6731 | [5701, 2287] | 9030 | [8768, 4557] |
| 2134 | [3482, 1392] | 4433 | [6024, 6025] | 6732 | [7827, 560]  | 9031 | [7537, 5186] |
| 2135 | [2744, 3483] | 4434 | [1046, 3708] | 6733 | [5465, 466]  | 9032 | [7558, 868]  |
| 2136 | [3484, 3485] | 4435 | [6026, 300]  | 6734 | [1931, 5629] | 9033 | [9121, 4708] |
| 2137 | [3486, 3487] | 4436 | [6027, 6028] | 6735 | [7828, 4564] | 9034 | [9122, 7883] |
| 2138 | [3488, 1321] | 4437 | [1429, 6029] | 6736 | [5741, 7829] | 9035 | [9123, 9102] |
| 2139 | [3489, 3382] | 4438 | [6030, 6031] | 6737 | [7830, 5470] | 9036 | [4917, 8034] |
| 2140 | [3490, 1562] | 4439 | [377, 6032]  | 6738 | [7509, 7422] | 9037 | [9124, 7631] |
| 2141 | [3491, 1081] | 4440 | [6033, 6034] | 6739 | [4279, 2335] | 9038 | [865, 8030]  |
| 2142 | [3492, 3493] | 4441 | [6035, 6036] | 6740 | [4206, 4693] | 9039 | [5589, 7200] |
| 2143 | [3494, 3495] | 4442 | [2869, 3778] | 6741 | [724, 2438]  | 9040 | [1843, 7852] |
| 2144 | [3496, 3497] | 4443 | [6037, 6038] | 6742 | [1650, 687]  | 9041 | [9125, 8881] |
| 2145 | [3498, 3499] | 4444 | [6039, 6040] | 6743 | [7831, 2563] | 9042 | [2308, 8769] |
| 2146 | [1050, 3500] | 4445 | [6041, 1090] | 6744 | [7832, 7833] | 9043 | [2289, 7913] |
| 2147 | [3501, 105]  | 4446 | [6042, 6043] | 6745 | [618, 7834]  | 9044 | [7362, 786]  |
| 2148 | [3502, 286]  | 4447 | [6044, 1082] | 6746 | [5424, 1920] | 9045 | [7462, 4897] |
| 2149 | [3503, 3342] | 4448 | [62, 1304]   | 6747 | [7835, 2128] | 9046 | [4948, 5088] |
| 2150 | [3504, 3505] | 4449 | [1044, 3886] | 6748 | [7836, 7837] | 9047 | [135, 5488]  |
| 2151 | [3506, 2772] | 4450 | [6002, 3295] | 6749 | [2687, 7838] | 9048 | [8803, 9109] |
| 2152 | [911, 3507]  | 4451 | [6045, 6046] | 6750 | [4570, 7462] | 9049 | [772, 9126]  |
| 2153 | [3374, 2712] | 4452 | [6047, 6048] | 6751 | [4355, 7839] | 9050 | [9127, 9128] |
| 2154 | [3508, 3509] | 4453 | [6049, 1254] | 6752 | [1946, 5741] | 9051 | [2076, 843]  |
| 2155 | [3510, 3511] | 4454 | [6050, 4104] | 6753 | [2650, 5486] | 9052 | [9129, 173]  |
| 2156 | [3512, 3513] | 4455 | [379, 3610]  | 6754 | [7840, 7841] | 9053 | [5651, 9130] |
| 2157 | [3514, 3515] | 4456 | [6051, 3443] | 6755 | [754, 2473]  | 9054 | [5662, 8901] |
| 2158 | [3516, 1030] | 4457 | [6052, 6053] | 6756 | [1878, 5706] | 9055 | [5374, 7443] |
| 2159 | [3517, 3518] | 4458 | [1106, 1419] | 6757 | [5032, 5185] | 9056 | [9131, 8791] |

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|------|--------------|------|--------------|------|--------------|------|--------------|
| 2160 | [3519, 122]  | 4459 | [3334, 3138] | 6758 | [7793, 7842] | 9057 | [5375, 664]  |
| 2161 | [3220, 1486] | 4460 | [1502, 6054] | 6759 | [7802, 7843] | 9058 | [2366, 7620] |
| 2162 | [353, 3520]  | 4461 | [6003, 3072] | 6760 | [7844, 7845] | 9059 | [9132, 1730] |
| 2163 | [3521, 2814] | 4462 | [4170, 6055] | 6761 | [7820, 7846] | 9060 | [9133, 8013] |
| 2164 | [3522, 3523] | 4463 | [3027, 3335] | 6762 | [7847, 156]  | 9061 | [9134, 7457] |
| 2165 | [3524, 3525] | 4464 | [6056, 2722] | 6763 | [7848, 7489] | 9062 | [9135, 7837] |
| 2166 | [3526, 3527] | 4465 | [3307, 6057] | 6764 | [7849, 7850] | 9063 | [9136, 8788] |
| 2167 | [1137, 1563] | 4466 | [3352, 6058] | 6765 | [7851, 2699] | 9064 | [9137, 4630] |
| 2168 | [3528, 3529] | 4467 | [3295, 1069] | 6766 | [4858, 7852] | 9065 | [9116, 1858] |
| 2169 | [1520, 3502] | 4468 | [3078, 3901] | 6767 | [5315, 166]  | 9066 | [2006, 5384] |
| 2170 | [3530, 3531] | 4469 | [6059, 1213] | 6768 | [7853, 2007] | 9067 | [2044, 4868] |
| 2171 | [3532, 1309] | 4470 | [6060, 5797] | 6769 | [5621, 791]  | 9068 | [9138, 5041] |
| 2172 | [3533, 1429] | 4471 | [3824, 1337] | 6770 | [145, 2084]  | 9069 | [5779, 5573] |
| 2173 | [3534, 2774] | 4472 | [6061, 1037] | 6771 | [5270, 722]  | 9070 | [9139, 642]  |
| 2174 | [3267, 3535] | 4473 | [1270, 1354] | 6772 | [7854, 2123] | 9071 | [9140, 8736] |
| 2175 | [3536, 3174] | 4474 | [6062, 6063] | 6773 | [1855, 5707] | 9072 | [4908, 5038] |
| 2176 | [3537, 1432] | 4475 | [6064, 6065] | 6774 | [7855, 5538] | 9073 | [2145, 811]  |
| 2177 | [323, 1479]  | 4476 | [3795, 23]   | 6775 | [7856, 4560] | 9074 | [5167, 1862] |
| 2178 | [3538, 27]   | 4477 | [3796, 1587] | 6776 | [1873, 5011] | 9075 | [5487, 2332] |
| 2179 | [3539, 3540] | 4478 | [6066, 6067] | 6777 | [5280, 5683] | 9076 | [1735, 9141] |
| 2180 | [3324, 1385] | 4479 | [5984, 6029] | 6778 | [7857, 7275] | 9077 | [870, 5517]  |
| 2181 | [3541, 3534] | 4480 | [5986, 6068] | 6779 | [2654, 1829] | 9078 | [4707, 9142] |
| 2182 | [3542, 3543] | 4481 | [6069, 6070] | 6780 | [5346, 2030] | 9079 | [8944, 6169] |
| 2183 | [3544, 3545] | 4482 | [6071, 6072] | 6781 | [7858, 5032] | 9080 | [3316, 3998] |
| 2184 | [3337, 3546] | 4483 | [6073, 6074] | 6782 | [4944, 854]  | 9081 | [3951, 9035] |
| 2185 | [3547, 3548] | 4484 | [416, 6075]  | 6783 | [7859, 4930] | 9082 | [3003, 2775] |
| 2186 | [3549, 3550] | 4485 | [6076, 3860] | 6784 | [2148, 5764] | 9083 | [9143, 3403] |
| 2187 | [3551, 3552] | 4486 | [6077, 6078] | 6785 | [7336, 5261] | 9084 | [9144, 7083] |
| 2188 | [3553, 888]  | 4487 | [6079, 6080] | 6786 | [4720, 7860] | 9085 | [6513, 2974] |
| 2189 | [3554, 1061] | 4488 | [6081, 6082] | 6787 | [7391, 5266] | 9086 | [1258, 1074] |
| 2190 | [3555, 1473] | 4489 | [5818, 2796] | 6788 | [4271, 1971] | 9087 | [1114, 3421] |
| 2191 | [3556, 3557] | 4490 | [6083, 1175] | 6789 | [7861, 765]  | 9088 | [9145, 9029] |
| 2192 | [3558, 3153] | 4491 | [6084, 4086] | 6790 | [5706, 2467] | 9089 | [9040, 1464] |
| 2193 | [3559, 2911] | 4492 | [6085, 4146] | 6791 | [2239, 5011] | 9090 | [1541, 8299] |
| 2194 | [3560, 3561] | 4493 | [1066, 96]   | 6792 | [7787, 5408] | 9091 | [6653, 3546] |
| 2195 | [3562, 3563] | 4494 | [6086, 6087] | 6793 | [1727, 4660] | 9092 | [6472, 9070] |
| 2196 | [3564, 3565] | 4495 | [6088, 6089] | 6794 | [7862, 5736] | 9093 | [8987, 9146] |
| 2197 | [3513, 3566] | 4496 | [2733, 6090] | 6795 | [679, 7863]  | 9094 | [978, 3150]  |
| 2198 | [3567, 3568] | 4497 | [6091, 6092] | 6796 | [7864, 7623] | 9095 | [9147, 8995] |
| 2199 | [1200, 3569] | 4498 | [2929, 6093] | 6797 | [7865, 7780] | 9096 | [9148, 6720] |
| 2200 | [3396, 3570] | 4499 | [6094, 3078] | 6798 | [7866, 2316] | 9097 | [8162, 6781] |
| 2201 | [69, 3571]   | 4500 | [5960, 6070] | 6799 | [7867, 2566] | 9098 | [9149, 8993] |
| 2202 | [3572, 3441] | 4501 | [6069, 6095] | 6800 | [7868, 7869] | 9099 | [6307, 1238] |
| 2203 | [452, 28]    | 4502 | [5799, 6096] | 6801 | [7870, 4555] | 9100 | [9150, 1572] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 2204 | [3573, 3574] | 4503 | [6097, 6098] | 6802 | [4743, 5429] | 9101 | [4079, 1256] |
| 2205 | [3575, 3576] | 4504 | [6099, 3473] | 6803 | [7871, 4696] | 9102 | [8965, 6949] |
| 2206 | [3577, 3578] | 4505 | [6100, 3686] | 6804 | [2626, 2443] | 9103 | [8418, 7092] |
| 2207 | [3579, 3580] | 4506 | [6101, 3947] | 6805 | [2660, 7605] | 9104 | [8642, 6978] |
| 2208 | [3581, 3582] | 4507 | [6102, 3974] | 6806 | [7872, 2281] | 9105 | [6815, 3899] |
| 2209 | [3583, 1292] | 4508 | [6103, 2968] | 6807 | [5150, 522]  | 9106 | [6015, 4109] |
| 2210 | [3584, 3585] | 4509 | [2970, 5861] | 6808 | [7873, 220]  | 9107 | [8285, 1001] |
| 2211 | [2762, 3586] | 4510 | [3477, 1383] | 6809 | [7586, 7874] | 9108 | [9151, 3119] |
| 2212 | [3587, 1013] | 4511 | [6104, 4082] | 6810 | [7875, 7876] | 9109 | [9152, 6189] |
| 2213 | [3588, 3589] | 4512 | [6105, 6106] | 6811 | [2311, 7877] | 9110 | [5924, 5906] |
| 2214 | [3590, 3591] | 4513 | [6009, 3453] | 6812 | [785, 2393]  | 9111 | [9153, 6709] |
| 2215 | [1263, 3592] | 4514 | [6107, 4002] | 6813 | [7878, 850]  | 9112 | [9154, 5913] |
| 2216 | [3593, 3457] | 4515 | [6108, 3306] | 6814 | [4512, 5025] | 9113 | [6212, 5879] |
| 2217 | [3594, 3595] | 4516 | [3277, 6109] | 6815 | [568, 868]   | 9114 | [2927, 3060] |
| 2218 | [3596, 948]  | 4517 | [3117, 318]  | 6816 | [548, 4924]  | 9115 | [9155, 8946] |
| 2219 | [2879, 3597] | 4518 | [3552, 4046] | 6817 | [39, 7762]   | 9116 | [5855, 4045] |
| 2220 | [3598, 2817] | 4519 | [3364, 6110] | 6818 | [4645, 1778] | 9117 | [6953, 1113] |
| 2221 | [2893, 3599] | 4520 | [1423, 4083] | 6819 | [7879, 1745] | 9118 | [8973, 6664] |
| 2222 | [315, 3600]  | 4521 | [1000, 3597] | 6820 | [7880, 7881] | 9119 | [401, 6399]  |
| 2223 | [3601, 3602] | 4522 | [6111, 6112] | 6821 | [2698, 4914] | 9120 | [9156, 8130] |
| 2224 | [3603, 361]  | 4523 | [980, 6113]  | 6822 | [7307, 1652] | 9121 | [6248, 6411] |
| 2225 | [3604, 3605] | 4524 | [1161, 6114] | 6823 | [7882, 2491] | 9122 | [5833, 9157] |
| 2226 | [3127, 3302] | 4525 | [6115, 6116] | 6824 | [7883, 4471] | 9123 | [8952, 6080] |
| 2227 | [3606, 3297] | 4526 | [5979, 6117] | 6825 | [7884, 4350] | 9124 | [3414, 3459] |
| 2228 | [3160, 3607] | 4527 | [2784, 6118] | 6826 | [7351, 7885] | 9125 | [7044, 6478] |
| 2229 | [3608, 3609] | 4528 | [6119, 2929] | 6827 | [1607, 7886] | 9126 | [9158, 8651] |
| 2230 | [30, 3610]   | 4529 | [6058, 3363] | 6828 | [4827, 4939] | 9127 | [6754, 3537] |
| 2231 | [1177, 3536] | 4530 | [6120, 6006] | 6829 | [7887, 5192] | 9128 | [9159, 1062] |
| 2232 | [3611, 3612] | 4531 | [6121, 3388] | 6830 | [2623, 5273] | 9129 | [4030, 6838] |
| 2233 | [3613, 3614] | 4532 | [3019, 6113] | 6831 | [4756, 4433] | 9130 | [6075, 4172] |
| 2234 | [3615, 1571] | 4533 | [4016, 3782] | 6832 | [7888, 7889] | 9131 | [6817, 6934] |
| 2235 | [3616, 3173] | 4534 | [1181, 6122] | 6833 | [4950, 7505] | 9132 | [9160, 4000] |
| 2236 | [3617, 3618] | 4535 | [3419, 6123] | 6834 | [7890, 2064] | 9133 | [1596, 6639] |
| 2237 | [1322, 3619] | 4536 | [3730, 6124] | 6835 | [7682, 4379] | 9134 | [102, 6184]  |
| 2238 | [3620, 2716] | 4537 | [6125, 6126] | 6836 | [7397, 7891] | 9135 | [259, 8645]  |
| 2239 | [3621, 3599] | 4538 | [3903, 2979] | 6837 | [7892, 7893] | 9136 | [2873, 8545] |
| 2240 | [3622, 1291] | 4539 | [6127, 6128] | 6838 | [7894, 2063] | 9137 | [9024, 9067] |
| 2241 | [3623, 3624] | 4540 | [6129, 6130] | 6839 | [7895, 192]  | 9138 | [9161, 6914] |
| 2242 | [3625, 1102] | 4541 | [3716, 4048] | 6840 | [2126, 5190] | 9139 | [3058, 1211] |
| 2243 | [3519, 3058] | 4542 | [6131, 6132] | 6841 | [7896, 7897] | 9140 | [1063, 6178] |
| 2244 | [3626, 3627] | 4543 | [6133, 6134] | 6842 | [5782, 2143] | 9141 | [9162, 8321] |
| 2245 | [1353, 3342] | 4544 | [6135, 4131] | 6843 | [5742, 4862] | 9142 | [8568, 2868] |
| 2246 | [3628, 3629] | 4545 | [6136, 6137] | 6844 | [1660, 4749] | 9143 | [7, 519]     |
| 2247 | [3630, 3631] | 4546 | [5964, 6138] | 6845 | [7898, 7203] | 9144 | [4894, 9163] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 2248 | [3632, 3633] | 4547 | [6139, 6019] | 6846 | [4357, 4643] | 9145 | [9164, 4927] |
| 2249 | [3634, 3635] | 4548 | [3530, 6140] | 6847 | [7899, 5410] | 9146 | [4445, 5567] |
| 2250 | [3636, 3637] | 4549 | [6141, 1332] | 6848 | [5551, 4457] | 9147 | [2066, 4220] |
| 2251 | [3619, 1495] | 4550 | [6142, 5961] | 6849 | [221, 169]   | 9148 | [9165, 58]   |
| 2252 | [1549, 3638] | 4551 | [6143, 6129] | 6850 | [4682, 5415] | 9149 | [4495, 9166] |
| 2253 | [955, 3639]  | 4552 | [6144, 6145] | 6851 | [7900, 5679] | 9150 | [5519, 5125] |
| 2254 | [3640, 3641] | 4553 | [286, 3651]  | 6852 | [4901, 7541] | 9151 | [760, 9167]  |
| 2255 | [3642, 3643] | 4554 | [444, 979]   | 6853 | [7901, 802]  | 9152 | [9168, 9169] |
| 2256 | [3644, 3069] | 4555 | [6146, 5892] | 6854 | [1862, 4636] | 9153 | [5768, 4968] |
| 2257 | [3645, 3646] | 4556 | [3235, 3884] | 6855 | [7902, 4537] | 9154 | [502, 803]   |
| 2258 | [453, 889]   | 4557 | [6147, 3802] | 6856 | [7903, 5476] | 9155 | [1900, 9170] |
| 2259 | [3647, 3354] | 4558 | [241, 6148]  | 6857 | [7904, 5159] | 9156 | [8716, 9171] |
| 2260 | [3648, 3649] | 4559 | [6149, 6150] | 6858 | [7794, 5575] | 9157 | [4600, 7440] |
| 2261 | [3650, 3651] | 4560 | [6151, 1374] | 6859 | [5114, 4814] | 9158 | [5708, 9172] |
| 2262 | [3652, 3653] | 4561 | [3051, 6152] | 6860 | [7905, 7906] | 9159 | [5142, 5001] |
| 2263 | [3654, 3655] | 4562 | [6153, 6154] | 6861 | [7783, 7226] | 9160 | [2221, 4776] |
| 2264 | [3656, 3657] | 4563 | [2767, 931]  | 6862 | [7907, 5321] | 9161 | [4685, 8037] |
| 2265 | [3658, 3659] | 4564 | [6155, 3261] | 6863 | [4466, 7908] | 9162 | [4727, 9173] |
| 2266 | [3660, 3661] | 4565 | [2964, 2973] | 6864 | [4484, 5417] | 9163 | [9174, 8999] |
| 2267 | [3662, 3663] | 4566 | [6156, 6157] | 6865 | [7909, 4550] | 9164 | [1300, 3180] |
| 2268 | [1143, 3664] | 4567 | [6158, 3559] | 6866 | [4773, 2552] | 9165 | [3621, 118]  |
| 2269 | [3665, 3666] | 4568 | [6159, 3684] | 6867 | [7910, 7911] | 9166 | [9175, 8388] |
| 2270 | [3667, 3668] | 4569 | [6160, 1178] | 6868 | [5454, 222]  | 9167 | [9176, 1126] |
| 2271 | [3669, 998]  | 4570 | [1044, 6161] | 6869 | [7912, 4742] | 9168 | [2941, 1191] |
| 2272 | [3670, 2824] | 4571 | [6162, 3609] | 6870 | [7647, 5483] | 9169 | [8311, 6982] |
| 2273 | [962, 3671]  | 4572 | [347, 6163]  | 6871 | [4481, 7842] | 9170 | [9177, 8363] |
| 2274 | [1583, 3672] | 4573 | [6164, 6165] | 6872 | [7913, 2049] | 9171 | [9178, 6062] |
| 2275 | [3673, 3674] | 4574 | [6166, 3636] | 6873 | [7914, 7416] | 9172 | [9179, 8284] |
| 2276 | [1545, 1367] | 4575 | [6167, 6168] | 6874 | [7915, 35]   | 9173 | [9180, 8209] |
| 2277 | [3675, 3674] | 4576 | [6169, 1508] | 6875 | [4559, 7916] | 9174 | [7823, 9181] |
| 2278 | [3676, 3677] | 4577 | [3948, 3403] | 6876 | [5293, 37]   | 9175 | [7584, 9182] |
| 2279 | [3514, 3629] | 4578 | [6170, 6171] | 6877 | [2367, 7199] | 9176 | [5550, 9183] |
| 2280 | [3678, 3679] | 4579 | [1134, 4017] | 6878 | [4839, 7569] | 9177 | [5595, 8795] |
| 2281 | [3680, 3681] | 4580 | [6172, 3135] | 6879 | [681, 7917]  | 9178 | [4207, 9184] |
| 2282 | [1275, 3682] | 4581 | [6173, 6174] | 6880 | [7918, 7919] | 9179 | [2162, 9185] |
| 2283 | [3683, 3684] | 4582 | [6175, 5854] | 6881 | [4609, 7920] | 9180 | [2449, 9186] |
| 2284 | [369, 2821]  | 4583 | [1307, 5978] | 6882 | [1957, 5051] | 9181 | [9187, 8623] |
| 2285 | [3685, 3686] | 4584 | [5957, 117]  | 6883 | [614, 4523]  | 9182 | [3203, 6143] |
| 2286 | [3687, 3125] | 4585 | [6176, 1575] | 6884 | [2552, 7921] | 9183 | [9188, 8291] |
| 2287 | [3688, 3689] | 4586 | [282, 3123]  | 6885 | [7922, 7923] | 9184 | [9189, 2956] |
| 2288 | [3187, 3592] | 4587 | [455, 6161]  | 6886 | [7924, 7925] | 9185 | [9190, 9050] |
| 2289 | [3690, 3366] | 4588 | [116, 1417]  | 6887 | [7926, 2303] | 9186 | [6568, 9003] |
| 2290 | [3691, 3692] | 4589 | [6177, 4105] | 6888 | [7499, 4925] | 9187 | [4768, 7591] |
| 2291 | [3693, 3694] | 4590 | [4148, 6178] | 6889 | [233, 2257]  | 9188 | [7217, 9191] |

|      |              |      |              |      |              |      |              |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 2292 | [3695, 3696] | 4591 | [253, 1024]  | 6890 | [7927, 4268] | 9189 | [2644, 7497] |
| 2293 | [3697, 2796] | 4592 | [2834, 954]  | 6891 | [2340, 7549] | 9190 | [7622, 7524] |
| 2294 | [3698, 3699] | 4593 | [6179, 6180] | 6892 | [4733, 7549] | 9191 | [6620, 5857] |
| 2295 | [3390, 3700] | 4594 | [6181, 3824] | 6893 | [7683, 852]  |      |              |
| 2296 | [3701, 3702] | 4595 | [3504, 3165] | 6894 | [2276, 2493] |      |              |
| 2297 | [3703, 3704] | 4596 | [1127, 6182] | 6895 | [7459, 7928] |      |              |
| 2298 | [3705, 3706] | 4597 | [6183, 1249] | 6896 | [4602, 7929] |      |              |

Output function  $n \mapsto \tau(n)$ :

| $n$ | $\tau(n)$ | $n$  | $\tau(n)$ | $n$  | $\tau(n)$ | $n$  | $\tau(n)$ | $n$  | $\tau(n)$ | $n$  | $\tau(n)$ |
|-----|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 0   | 0         | 1533 | 1         | 3066 | 0         | 4599 | 0         | 6132 | 1         | 7665 | 1         |
| 1   | 0         | 1534 | 1         | 3067 | 0         | 4600 | 0         | 6133 | 1         | 7666 | 0         |
| 2   | 0         | 1535 | 0         | 3068 | 1         | 4601 | 1         | 6134 | 1         | 7667 | 0         |
| 3   | 0         | 1536 | 0         | 3069 | 1         | 4602 | 1         | 6135 | 1         | 7668 | 1         |
| 4   | 0         | 1537 | 0         | 3070 | 0         | 4603 | 1         | 6136 | 1         | 7669 | 1         |
| 5   | 0         | 1538 | 0         | 3071 | 0         | 4604 | 1         | 6137 | 1         | 7670 | 0         |
| 6   | 0         | 1539 | 1         | 3072 | 1         | 4605 | 1         | 6138 | 0         | 7671 | 0         |
| 7   | 0         | 1540 | 1         | 3073 | 1         | 4606 | 1         | 6139 | 0         | 7672 | 1         |
| 8   | 0         | 1541 | 1         | 3074 | 1         | 4607 | 0         | 6140 | 1         | 7673 | 1         |
| 9   | 0         | 1542 | 1         | 3075 | 0         | 4608 | 1         | 6141 | 1         | 7674 | 1         |
| 10  | 1         | 1543 | 1         | 3076 | 1         | 4609 | 0         | 6142 | 0         | 7675 | 1         |
| 11  | 0         | 1544 | 1         | 3077 | 1         | 4610 | 0         | 6143 | 0         | 7676 | 0         |
| 12  | 1         | 1545 | 1         | 3078 | 0         | 4611 | 0         | 6144 | 1         | 7677 | 1         |
| 13  | 0         | 1546 | 1         | 3079 | 1         | 4612 | 0         | 6145 | 0         | 7678 | 0         |
| 14  | 1         | 1547 | 1         | 3080 | 1         | 4613 | 0         | 6146 | 0         | 7679 | 0         |
| 15  | 0         | 1548 | 0         | 3081 | 0         | 4614 | 1         | 6147 | 1         | 7680 | 0         |
| 16  | 0         | 1549 | 0         | 3082 | 1         | 4615 | 0         | 6148 | 1         | 7681 | 1         |
| 17  | 0         | 1550 | 1         | 3083 | 0         | 4616 | 0         | 6149 | 1         | 7682 | 0         |
| 18  | 0         | 1551 | 0         | 3084 | 0         | 4617 | 0         | 6150 | 1         | 7683 | 1         |
| 19  | 0         | 1552 | 1         | 3085 | 0         | 4618 | 1         | 6151 | 0         | 7684 | 0         |
| 20  | 0         | 1553 | 1         | 3086 | 1         | 4619 | 1         | 6152 | 1         | 7685 | 1         |
| 21  | 1         | 1554 | 1         | 3087 | 1         | 4620 | 1         | 6153 | 0         | 7686 | 0         |
| 22  | 1         | 1555 | 1         | 3088 | 1         | 4621 | 1         | 6154 | 1         | 7687 | 1         |
| 23  | 0         | 1556 | 1         | 3089 | 0         | 4622 | 1         | 6155 | 1         | 7688 | 0         |
| 24  | 0         | 1557 | 1         | 3090 | 1         | 4623 | 0         | 6156 | 1         | 7689 | 0         |
| 25  | 1         | 1558 | 1         | 3091 | 1         | 4624 | 1         | 6157 | 0         | 7690 | 0         |
| 26  | 0         | 1559 | 1         | 3092 | 1         | 4625 | 0         | 6158 | 1         | 7691 | 1         |
| 27  | 0         | 1560 | 0         | 3093 | 1         | 4626 | 0         | 6159 | 0         | 7692 | 1         |
| 28  | 1         | 1561 | 0         | 3094 | 1         | 4627 | 1         | 6160 | 0         | 7693 | 0         |
| 29  | 1         | 1562 | 1         | 3095 | 0         | 4628 | 0         | 6161 | 1         | 7694 | 1         |
| 30  | 0         | 1563 | 0         | 3096 | 0         | 4629 | 0         | 6162 | 1         | 7695 | 0         |
| 31  | 0         | 1564 | 1         | 3097 | 0         | 4630 | 1         | 6163 | 1         | 7696 | 0         |
| 32  | 0         | 1565 | 0         | 3098 | 1         | 4631 | 0         | 6164 | 0         | 7697 | 1         |
| 33  | 0         | 1566 | 1         | 3099 | 0         | 4632 | 1         | 6165 | 1         | 7698 | 1         |

|    |   |      |   |      |   |      |   |      |   |      |   |
|----|---|------|---|------|---|------|---|------|---|------|---|
| 34 | 1 | 1567 | 0 | 3100 | 1 | 4633 | 1 | 6166 | 0 | 7699 | 1 |
| 35 | 0 | 1568 | 1 | 3101 | 1 | 4634 | 0 | 6167 | 0 | 7700 | 0 |
| 36 | 1 | 1569 | 0 | 3102 | 1 | 4635 | 0 | 6168 | 0 | 7701 | 0 |
| 37 | 0 | 1570 | 0 | 3103 | 0 | 4636 | 1 | 6169 | 0 | 7702 | 0 |
| 38 | 1 | 1571 | 0 | 3104 | 1 | 4637 | 1 | 6170 | 1 | 7703 | 1 |
| 39 | 0 | 1572 | 0 | 3105 | 0 | 4638 | 1 | 6171 | 1 | 7704 | 0 |
| 40 | 0 | 1573 | 0 | 3106 | 0 | 4639 | 1 | 6172 | 1 | 7705 | 0 |
| 41 | 0 | 1574 | 0 | 3107 | 1 | 4640 | 0 | 6173 | 1 | 7706 | 0 |
| 42 | 0 | 1575 | 1 | 3108 | 1 | 4641 | 1 | 6174 | 1 | 7707 | 1 |
| 43 | 1 | 1576 | 0 | 3109 | 1 | 4642 | 0 | 6175 | 0 | 7708 | 0 |
| 44 | 0 | 1577 | 1 | 3110 | 1 | 4643 | 0 | 6176 | 1 | 7709 | 1 |
| 45 | 1 | 1578 | 0 | 3111 | 1 | 4644 | 1 | 6177 | 1 | 7710 | 1 |
| 46 | 1 | 1579 | 1 | 3112 | 1 | 4645 | 1 | 6178 | 1 | 7711 | 0 |
| 47 | 0 | 1580 | 1 | 3113 | 1 | 4646 | 1 | 6179 | 0 | 7712 | 0 |
| 48 | 1 | 1581 | 0 | 3114 | 1 | 4647 | 1 | 6180 | 0 | 7713 | 1 |
| 49 | 0 | 1582 | 0 | 3115 | 0 | 4648 | 0 | 6181 | 0 | 7714 | 1 |
| 50 | 0 | 1583 | 1 | 3116 | 0 | 4649 | 0 | 6182 | 1 | 7715 | 0 |
| 51 | 1 | 1584 | 1 | 3117 | 1 | 4650 | 0 | 6183 | 1 | 7716 | 0 |
| 52 | 0 | 1585 | 1 | 3118 | 0 | 4651 | 0 | 6184 | 1 | 7717 | 1 |
| 53 | 0 | 1586 | 1 | 3119 | 1 | 4652 | 1 | 6185 | 0 | 7718 | 1 |
| 54 | 1 | 1587 | 0 | 3120 | 1 | 4653 | 1 | 6186 | 1 | 7719 | 1 |
| 55 | 1 | 1588 | 0 | 3121 | 1 | 4654 | 1 | 6187 | 1 | 7720 | 1 |
| 56 | 1 | 1589 | 0 | 3122 | 1 | 4655 | 0 | 6188 | 1 | 7721 | 0 |
| 57 | 0 | 1590 | 0 | 3123 | 1 | 4656 | 0 | 6189 | 1 | 7722 | 1 |
| 58 | 1 | 1591 | 1 | 3124 | 0 | 4657 | 1 | 6190 | 0 | 7723 | 0 |
| 59 | 1 | 1592 | 0 | 3125 | 0 | 4658 | 0 | 6191 | 0 | 7724 | 0 |
| 60 | 0 | 1593 | 1 | 3126 | 0 | 4659 | 1 | 6192 | 1 | 7725 | 0 |
| 61 | 1 | 1594 | 1 | 3127 | 0 | 4660 | 1 | 6193 | 1 | 7726 | 0 |
| 62 | 0 | 1595 | 0 | 3128 | 1 | 4661 | 0 | 6194 | 0 | 7727 | 0 |
| 63 | 0 | 1596 | 1 | 3129 | 1 | 4662 | 1 | 6195 | 1 | 7728 | 1 |
| 64 | 0 | 1597 | 0 | 3130 | 1 | 4663 | 1 | 6196 | 0 | 7729 | 0 |
| 65 | 0 | 1598 | 1 | 3131 | 0 | 4664 | 1 | 6197 | 1 | 7730 | 0 |
| 66 | 0 | 1599 | 0 | 3132 | 0 | 4665 | 0 | 6198 | 0 | 7731 | 0 |
| 67 | 0 | 1600 | 1 | 3133 | 0 | 4666 | 0 | 6199 | 1 | 7732 | 1 |
| 68 | 1 | 1601 | 0 | 3134 | 0 | 4667 | 0 | 6200 | 0 | 7733 | 0 |
| 69 | 1 | 1602 | 1 | 3135 | 1 | 4668 | 0 | 6201 | 0 | 7734 | 1 |
| 70 | 0 | 1603 | 0 | 3136 | 1 | 4669 | 1 | 6202 | 0 | 7735 | 0 |
| 71 | 0 | 1604 | 0 | 3137 | 1 | 4670 | 1 | 6203 | 0 | 7736 | 0 |
| 72 | 1 | 1605 | 1 | 3138 | 1 | 4671 | 1 | 6204 | 1 | 7737 | 0 |
| 73 | 0 | 1606 | 0 | 3139 | 1 | 4672 | 0 | 6205 | 1 | 7738 | 1 |
| 74 | 0 | 1607 | 0 | 3140 | 0 | 4673 | 1 | 6206 | 0 | 7739 | 1 |
| 75 | 1 | 1608 | 1 | 3141 | 1 | 4674 | 0 | 6207 | 1 | 7740 | 1 |
| 76 | 1 | 1609 | 1 | 3142 | 0 | 4675 | 0 | 6208 | 1 | 7741 | 0 |
| 77 | 0 | 1610 | 0 | 3143 | 0 | 4676 | 1 | 6209 | 0 | 7742 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 78  | 0 | 1611 | 0 | 3144 | 1 | 4677 | 1 | 6210 | 0 | 7743 | 1 |
| 79  | 0 | 1612 | 1 | 3145 | 1 | 4678 | 0 | 6211 | 1 | 7744 | 0 |
| 80  | 0 | 1613 | 1 | 3146 | 0 | 4679 | 1 | 6212 | 0 | 7745 | 0 |
| 81  | 1 | 1614 | 0 | 3147 | 0 | 4680 | 1 | 6213 | 1 | 7746 | 0 |
| 82  | 0 | 1615 | 0 | 3148 | 1 | 4681 | 0 | 6214 | 1 | 7747 | 1 |
| 83  | 1 | 1616 | 1 | 3149 | 0 | 4682 | 0 | 6215 | 0 | 7748 | 0 |
| 84  | 0 | 1617 | 0 | 3150 | 0 | 4683 | 0 | 6216 | 1 | 7749 | 1 |
| 85  | 1 | 1618 | 0 | 3151 | 0 | 4684 | 0 | 6217 | 1 | 7750 | 0 |
| 86  | 1 | 1619 | 1 | 3152 | 1 | 4685 | 0 | 6218 | 0 | 7751 | 1 |
| 87  | 1 | 1620 | 1 | 3153 | 0 | 4686 | 1 | 6219 | 1 | 7752 | 0 |
| 88  | 0 | 1621 | 1 | 3154 | 0 | 4687 | 0 | 6220 | 0 | 7753 | 0 |
| 89  | 0 | 1622 | 0 | 3155 | 0 | 4688 | 1 | 6221 | 1 | 7754 | 0 |
| 90  | 1 | 1623 | 1 | 3156 | 1 | 4689 | 1 | 6222 | 1 | 7755 | 1 |
| 91  | 0 | 1624 | 0 | 3157 | 1 | 4690 | 0 | 6223 | 0 | 7756 | 1 |
| 92  | 1 | 1625 | 1 | 3158 | 0 | 4691 | 0 | 6224 | 0 | 7757 | 1 |
| 93  | 0 | 1626 | 1 | 3159 | 1 | 4692 | 0 | 6225 | 0 | 7758 | 0 |
| 94  | 0 | 1627 | 1 | 3160 | 0 | 4693 | 0 | 6226 | 0 | 7759 | 0 |
| 95  | 1 | 1628 | 0 | 3161 | 1 | 4694 | 1 | 6227 | 1 | 7760 | 1 |
| 96  | 1 | 1629 | 0 | 3162 | 1 | 4695 | 1 | 6228 | 1 | 7761 | 0 |
| 97  | 1 | 1630 | 1 | 3163 | 0 | 4696 | 0 | 6229 | 1 | 7762 | 1 |
| 98  | 0 | 1631 | 1 | 3164 | 0 | 4697 | 1 | 6230 | 1 | 7763 | 0 |
| 99  | 1 | 1632 | 0 | 3165 | 1 | 4698 | 1 | 6231 | 0 | 7764 | 0 |
| 100 | 0 | 1633 | 0 | 3166 | 0 | 4699 | 0 | 6232 | 0 | 7765 | 0 |
| 101 | 0 | 1634 | 0 | 3167 | 1 | 4700 | 1 | 6233 | 1 | 7766 | 1 |
| 102 | 1 | 1635 | 0 | 3168 | 1 | 4701 | 1 | 6234 | 0 | 7767 | 0 |
| 103 | 0 | 1636 | 0 | 3169 | 0 | 4702 | 1 | 6235 | 1 | 7768 | 1 |
| 104 | 0 | 1637 | 0 | 3170 | 0 | 4703 | 0 | 6236 | 1 | 7769 | 0 |
| 105 | 0 | 1638 | 0 | 3171 | 0 | 4704 | 1 | 6237 | 1 | 7770 | 1 |
| 106 | 0 | 1639 | 0 | 3172 | 0 | 4705 | 1 | 6238 | 1 | 7771 | 1 |
| 107 | 1 | 1640 | 1 | 3173 | 1 | 4706 | 0 | 6239 | 1 | 7772 | 1 |
| 108 | 1 | 1641 | 1 | 3174 | 1 | 4707 | 0 | 6240 | 0 | 7773 | 0 |
| 109 | 0 | 1642 | 1 | 3175 | 1 | 4708 | 0 | 6241 | 0 | 7774 | 1 |
| 110 | 1 | 1643 | 0 | 3176 | 0 | 4709 | 1 | 6242 | 1 | 7775 | 1 |
| 111 | 0 | 1644 | 1 | 3177 | 1 | 4710 | 1 | 6243 | 0 | 7776 | 1 |
| 112 | 1 | 1645 | 1 | 3178 | 1 | 4711 | 1 | 6244 | 1 | 7777 | 1 |
| 113 | 1 | 1646 | 0 | 3179 | 1 | 4712 | 1 | 6245 | 0 | 7778 | 1 |
| 114 | 0 | 1647 | 0 | 3180 | 0 | 4713 | 0 | 6246 | 0 | 7779 | 1 |
| 115 | 0 | 1648 | 0 | 3181 | 1 | 4714 | 0 | 6247 | 1 | 7780 | 1 |
| 116 | 1 | 1649 | 1 | 3182 | 1 | 4715 | 0 | 6248 | 1 | 7781 | 1 |
| 117 | 1 | 1650 | 1 | 3183 | 0 | 4716 | 0 | 6249 | 1 | 7782 | 0 |
| 118 | 1 | 1651 | 1 | 3184 | 1 | 4717 | 1 | 6250 | 1 | 7783 | 0 |
| 119 | 1 | 1652 | 0 | 3185 | 0 | 4718 | 0 | 6251 | 0 | 7784 | 0 |
| 120 | 0 | 1653 | 0 | 3186 | 0 | 4719 | 1 | 6252 | 1 | 7785 | 0 |
| 121 | 0 | 1654 | 1 | 3187 | 1 | 4720 | 1 | 6253 | 1 | 7786 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 122 | 1 | 1655 | 1 | 3188 | 0 | 4721 | 1 | 6254 | 0 | 7787 | 1 |
| 123 | 0 | 1656 | 0 | 3189 | 0 | 4722 | 1 | 6255 | 1 | 7788 | 0 |
| 124 | 0 | 1657 | 0 | 3190 | 0 | 4723 | 0 | 6256 | 1 | 7789 | 0 |
| 125 | 1 | 1658 | 0 | 3191 | 1 | 4724 | 0 | 6257 | 0 | 7790 | 0 |
| 126 | 0 | 1659 | 0 | 3192 | 0 | 4725 | 0 | 6258 | 0 | 7791 | 1 |
| 127 | 0 | 1660 | 0 | 3193 | 1 | 4726 | 1 | 6259 | 0 | 7792 | 1 |
| 128 | 0 | 1661 | 1 | 3194 | 0 | 4727 | 1 | 6260 | 1 | 7793 | 1 |
| 129 | 0 | 1662 | 1 | 3195 | 0 | 4728 | 1 | 6261 | 0 | 7794 | 1 |
| 130 | 0 | 1663 | 1 | 3196 | 1 | 4729 | 1 | 6262 | 0 | 7795 | 1 |
| 131 | 1 | 1664 | 1 | 3197 | 0 | 4730 | 1 | 6263 | 1 | 7796 | 0 |
| 132 | 1 | 1665 | 1 | 3198 | 1 | 4731 | 0 | 6264 | 1 | 7797 | 0 |
| 133 | 0 | 1666 | 1 | 3199 | 0 | 4732 | 0 | 6265 | 1 | 7798 | 1 |
| 134 | 1 | 1667 | 1 | 3200 | 1 | 4733 | 1 | 6266 | 0 | 7799 | 1 |
| 135 | 1 | 1668 | 1 | 3201 | 1 | 4734 | 1 | 6267 | 1 | 7800 | 0 |
| 136 | 1 | 1669 | 0 | 3202 | 0 | 4735 | 0 | 6268 | 1 | 7801 | 0 |
| 137 | 1 | 1670 | 1 | 3203 | 1 | 4736 | 0 | 6269 | 1 | 7802 | 1 |
| 138 | 1 | 1671 | 0 | 3204 | 1 | 4737 | 1 | 6270 | 1 | 7803 | 1 |
| 139 | 0 | 1672 | 0 | 3205 | 0 | 4738 | 1 | 6271 | 1 | 7804 | 1 |
| 140 | 1 | 1673 | 0 | 3206 | 0 | 4739 | 0 | 6272 | 0 | 7805 | 0 |
| 141 | 0 | 1674 | 1 | 3207 | 0 | 4740 | 1 | 6273 | 0 | 7806 | 1 |
| 142 | 1 | 1675 | 0 | 3208 | 0 | 4741 | 0 | 6274 | 0 | 7807 | 0 |
| 143 | 1 | 1676 | 1 | 3209 | 0 | 4742 | 1 | 6275 | 1 | 7808 | 0 |
| 144 | 1 | 1677 | 0 | 3210 | 0 | 4743 | 0 | 6276 | 1 | 7809 | 1 |
| 145 | 0 | 1678 | 1 | 3211 | 0 | 4744 | 1 | 6277 | 0 | 7810 | 1 |
| 146 | 1 | 1679 | 0 | 3212 | 0 | 4745 | 1 | 6278 | 1 | 7811 | 1 |
| 147 | 1 | 1680 | 1 | 3213 | 0 | 4746 | 1 | 6279 | 0 | 7812 | 0 |
| 148 | 0 | 1681 | 0 | 3214 | 0 | 4747 | 0 | 6280 | 0 | 7813 | 0 |
| 149 | 1 | 1682 | 0 | 3215 | 0 | 4748 | 0 | 6281 | 1 | 7814 | 1 |
| 150 | 1 | 1683 | 1 | 3216 | 1 | 4749 | 0 | 6282 | 1 | 7815 | 0 |
| 151 | 0 | 1684 | 0 | 3217 | 0 | 4750 | 0 | 6283 | 0 | 7816 | 0 |
| 152 | 1 | 1685 | 1 | 3218 | 0 | 4751 | 0 | 6284 | 0 | 7817 | 0 |
| 153 | 0 | 1686 | 1 | 3219 | 1 | 4752 | 1 | 6285 | 1 | 7818 | 0 |
| 154 | 0 | 1687 | 1 | 3220 | 1 | 4753 | 0 | 6286 | 1 | 7819 | 0 |
| 155 | 0 | 1688 | 1 | 3221 | 1 | 4754 | 1 | 6287 | 1 | 7820 | 1 |
| 156 | 0 | 1689 | 0 | 3222 | 1 | 4755 | 0 | 6288 | 0 | 7821 | 0 |
| 157 | 0 | 1690 | 1 | 3223 | 0 | 4756 | 0 | 6289 | 0 | 7822 | 1 |
| 158 | 1 | 1691 | 1 | 3224 | 1 | 4757 | 1 | 6290 | 1 | 7823 | 0 |
| 159 | 1 | 1692 | 1 | 3225 | 1 | 4758 | 1 | 6291 | 0 | 7824 | 0 |
| 160 | 1 | 1693 | 0 | 3226 | 0 | 4759 | 1 | 6292 | 0 | 7825 | 0 |
| 161 | 0 | 1694 | 0 | 3227 | 0 | 4760 | 0 | 6293 | 0 | 7826 | 1 |
| 162 | 1 | 1695 | 1 | 3228 | 1 | 4761 | 0 | 6294 | 0 | 7827 | 1 |
| 163 | 0 | 1696 | 1 | 3229 | 0 | 4762 | 1 | 6295 | 1 | 7828 | 0 |
| 164 | 0 | 1697 | 1 | 3230 | 1 | 4763 | 1 | 6296 | 1 | 7829 | 0 |
| 165 | 1 | 1698 | 1 | 3231 | 1 | 4764 | 1 | 6297 | 0 | 7830 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 166 | 1 | 1699 | 1 | 3232 | 1 | 4765 | 1 | 6298 | 1 | 7831 | 0 |
| 167 | 1 | 1700 | 0 | 3233 | 1 | 4766 | 1 | 6299 | 0 | 7832 | 1 |
| 168 | 1 | 1701 | 1 | 3234 | 0 | 4767 | 0 | 6300 | 1 | 7833 | 1 |
| 169 | 1 | 1702 | 1 | 3235 | 1 | 4768 | 0 | 6301 | 0 | 7834 | 0 |
| 170 | 1 | 1703 | 0 | 3236 | 1 | 4769 | 0 | 6302 | 0 | 7835 | 1 |
| 171 | 0 | 1704 | 0 | 3237 | 1 | 4770 | 1 | 6303 | 0 | 7836 | 1 |
| 172 | 0 | 1705 | 1 | 3238 | 0 | 4771 | 0 | 6304 | 0 | 7837 | 0 |
| 173 | 1 | 1706 | 0 | 3239 | 1 | 4772 | 1 | 6305 | 0 | 7838 | 0 |
| 174 | 0 | 1707 | 1 | 3240 | 0 | 4773 | 1 | 6306 | 1 | 7839 | 0 |
| 175 | 0 | 1708 | 0 | 3241 | 1 | 4774 | 1 | 6307 | 0 | 7840 | 1 |
| 176 | 1 | 1709 | 0 | 3242 | 0 | 4775 | 0 | 6308 | 1 | 7841 | 1 |
| 177 | 0 | 1710 | 0 | 3243 | 0 | 4776 | 0 | 6309 | 1 | 7842 | 0 |
| 178 | 0 | 1711 | 0 | 3244 | 1 | 4777 | 0 | 6310 | 1 | 7843 | 0 |
| 179 | 1 | 1712 | 1 | 3245 | 0 | 4778 | 1 | 6311 | 1 | 7844 | 1 |
| 180 | 1 | 1713 | 1 | 3246 | 0 | 4779 | 1 | 6312 | 0 | 7845 | 0 |
| 181 | 1 | 1714 | 0 | 3247 | 1 | 4780 | 1 | 6313 | 0 | 7846 | 0 |
| 182 | 0 | 1715 | 0 | 3248 | 1 | 4781 | 0 | 6314 | 1 | 7847 | 1 |
| 183 | 0 | 1716 | 0 | 3249 | 0 | 4782 | 1 | 6315 | 1 | 7848 | 1 |
| 184 | 0 | 1717 | 0 | 3250 | 1 | 4783 | 1 | 6316 | 1 | 7849 | 1 |
| 185 | 0 | 1718 | 1 | 3251 | 0 | 4784 | 1 | 6317 | 0 | 7850 | 1 |
| 186 | 1 | 1719 | 0 | 3252 | 0 | 4785 | 1 | 6318 | 0 | 7851 | 0 |
| 187 | 1 | 1720 | 1 | 3253 | 1 | 4786 | 1 | 6319 | 0 | 7852 | 0 |
| 188 | 0 | 1721 | 0 | 3254 | 1 | 4787 | 0 | 6320 | 1 | 7853 | 1 |
| 189 | 1 | 1722 | 0 | 3255 | 0 | 4788 | 0 | 6321 | 0 | 7854 | 0 |
| 190 | 1 | 1723 | 0 | 3256 | 1 | 4789 | 1 | 6322 | 1 | 7855 | 1 |
| 191 | 0 | 1724 | 1 | 3257 | 1 | 4790 | 1 | 6323 | 1 | 7856 | 0 |
| 192 | 1 | 1725 | 0 | 3258 | 0 | 4791 | 1 | 6324 | 0 | 7857 | 1 |
| 193 | 0 | 1726 | 0 | 3259 | 1 | 4792 | 1 | 6325 | 0 | 7858 | 1 |
| 194 | 0 | 1727 | 0 | 3260 | 0 | 4793 | 0 | 6326 | 1 | 7859 | 1 |
| 195 | 1 | 1728 | 0 | 3261 | 1 | 4794 | 1 | 6327 | 0 | 7860 | 1 |
| 196 | 0 | 1729 | 0 | 3262 | 1 | 4795 | 0 | 6328 | 1 | 7861 | 1 |
| 197 | 1 | 1730 | 0 | 3263 | 1 | 4796 | 0 | 6329 | 1 | 7862 | 0 |
| 198 | 1 | 1731 | 0 | 3264 | 0 | 4797 | 0 | 6330 | 0 | 7863 | 0 |
| 199 | 0 | 1732 | 0 | 3265 | 1 | 4798 | 1 | 6331 | 0 | 7864 | 0 |
| 200 | 0 | 1733 | 1 | 3266 | 0 | 4799 | 0 | 6332 | 1 | 7865 | 0 |
| 201 | 1 | 1734 | 1 | 3267 | 0 | 4800 | 0 | 6333 | 1 | 7866 | 1 |
| 202 | 0 | 1735 | 0 | 3268 | 1 | 4801 | 0 | 6334 | 1 | 7867 | 1 |
| 203 | 1 | 1736 | 0 | 3269 | 0 | 4802 | 0 | 6335 | 1 | 7868 | 0 |
| 204 | 0 | 1737 | 0 | 3270 | 1 | 4803 | 0 | 6336 | 1 | 7869 | 1 |
| 205 | 0 | 1738 | 1 | 3271 | 1 | 4804 | 1 | 6337 | 0 | 7870 | 1 |
| 206 | 0 | 1739 | 1 | 3272 | 0 | 4805 | 0 | 6338 | 0 | 7871 | 0 |
| 207 | 0 | 1740 | 1 | 3273 | 1 | 4806 | 0 | 6339 | 0 | 7872 | 0 |
| 208 | 1 | 1741 | 0 | 3274 | 0 | 4807 | 1 | 6340 | 1 | 7873 | 0 |
| 209 | 1 | 1742 | 0 | 3275 | 1 | 4808 | 1 | 6341 | 0 | 7874 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 210 | 0 | 1743 | 1 | 3276 | 1 | 4809 | 0 | 6342 | 1 | 7875 | 0 |
| 211 | 0 | 1744 | 1 | 3277 | 1 | 4810 | 0 | 6343 | 1 | 7876 | 1 |
| 212 | 1 | 1745 | 0 | 3278 | 0 | 4811 | 1 | 6344 | 0 | 7877 | 0 |
| 213 | 1 | 1746 | 0 | 3279 | 1 | 4812 | 0 | 6345 | 1 | 7878 | 1 |
| 214 | 0 | 1747 | 0 | 3280 | 1 | 4813 | 0 | 6346 | 1 | 7879 | 0 |
| 215 | 0 | 1748 | 1 | 3281 | 1 | 4814 | 0 | 6347 | 0 | 7880 | 1 |
| 216 | 1 | 1749 | 0 | 3282 | 0 | 4815 | 1 | 6348 | 0 | 7881 | 1 |
| 217 | 1 | 1750 | 0 | 3283 | 1 | 4816 | 1 | 6349 | 1 | 7882 | 0 |
| 218 | 0 | 1751 | 0 | 3284 | 0 | 4817 | 1 | 6350 | 1 | 7883 | 0 |
| 219 | 1 | 1752 | 1 | 3285 | 1 | 4818 | 0 | 6351 | 1 | 7884 | 1 |
| 220 | 1 | 1753 | 0 | 3286 | 0 | 4819 | 0 | 6352 | 1 | 7885 | 0 |
| 221 | 0 | 1754 | 0 | 3287 | 0 | 4820 | 1 | 6353 | 0 | 7886 | 1 |
| 222 | 0 | 1755 | 0 | 3288 | 0 | 4821 | 0 | 6354 | 0 | 7887 | 1 |
| 223 | 0 | 1756 | 1 | 3289 | 0 | 4822 | 1 | 6355 | 0 | 7888 | 0 |
| 224 | 1 | 1757 | 0 | 3290 | 1 | 4823 | 0 | 6356 | 1 | 7889 | 1 |
| 225 | 1 | 1758 | 1 | 3291 | 1 | 4824 | 0 | 6357 | 0 | 7890 | 1 |
| 226 | 1 | 1759 | 1 | 3292 | 1 | 4825 | 0 | 6358 | 1 | 7891 | 1 |
| 227 | 0 | 1760 | 0 | 3293 | 0 | 4826 | 0 | 6359 | 1 | 7892 | 0 |
| 228 | 1 | 1761 | 1 | 3294 | 0 | 4827 | 1 | 6360 | 0 | 7893 | 0 |
| 229 | 0 | 1762 | 1 | 3295 | 0 | 4828 | 0 | 6361 | 0 | 7894 | 1 |
| 230 | 1 | 1763 | 1 | 3296 | 0 | 4829 | 0 | 6362 | 0 | 7895 | 0 |
| 231 | 1 | 1764 | 1 | 3297 | 0 | 4830 | 1 | 6363 | 0 | 7896 | 1 |
| 232 | 0 | 1765 | 1 | 3298 | 1 | 4831 | 1 | 6364 | 1 | 7897 | 1 |
| 233 | 0 | 1766 | 1 | 3299 | 0 | 4832 | 1 | 6365 | 0 | 7898 | 1 |
| 234 | 0 | 1767 | 1 | 3300 | 1 | 4833 | 0 | 6366 | 1 | 7899 | 0 |
| 235 | 0 | 1768 | 1 | 3301 | 1 | 4834 | 0 | 6367 | 0 | 7900 | 0 |
| 236 | 1 | 1769 | 0 | 3302 | 0 | 4835 | 1 | 6368 | 1 | 7901 | 0 |
| 237 | 0 | 1770 | 0 | 3303 | 0 | 4836 | 0 | 6369 | 1 | 7902 | 0 |
| 238 | 0 | 1771 | 1 | 3304 | 1 | 4837 | 1 | 6370 | 0 | 7903 | 1 |
| 239 | 0 | 1772 | 0 | 3305 | 1 | 4838 | 1 | 6371 | 1 | 7904 | 1 |
| 240 | 0 | 1773 | 1 | 3306 | 0 | 4839 | 1 | 6372 | 1 | 7905 | 0 |
| 241 | 0 | 1774 | 0 | 3307 | 0 | 4840 | 0 | 6373 | 0 | 7906 | 1 |
| 242 | 1 | 1775 | 0 | 3308 | 0 | 4841 | 1 | 6374 | 0 | 7907 | 0 |
| 243 | 0 | 1776 | 1 | 3309 | 0 | 4842 | 0 | 6375 | 0 | 7908 | 0 |
| 244 | 0 | 1777 | 0 | 3310 | 0 | 4843 | 0 | 6376 | 1 | 7909 | 0 |
| 245 | 1 | 1778 | 1 | 3311 | 1 | 4844 | 0 | 6377 | 0 | 7910 | 0 |
| 246 | 0 | 1779 | 0 | 3312 | 0 | 4845 | 1 | 6378 | 1 | 7911 | 1 |
| 247 | 1 | 1780 | 1 | 3313 | 1 | 4846 | 1 | 6379 | 0 | 7912 | 1 |
| 248 | 0 | 1781 | 0 | 3314 | 1 | 4847 | 1 | 6380 | 0 | 7913 | 1 |
| 249 | 0 | 1782 | 0 | 3315 | 0 | 4848 | 1 | 6381 | 1 | 7914 | 1 |
| 250 | 0 | 1783 | 1 | 3316 | 1 | 4849 | 1 | 6382 | 0 | 7915 | 1 |
| 251 | 1 | 1784 | 1 | 3317 | 0 | 4850 | 1 | 6383 | 1 | 7916 | 1 |
| 252 | 0 | 1785 | 0 | 3318 | 0 | 4851 | 0 | 6384 | 0 | 7917 | 1 |
| 253 | 1 | 1786 | 1 | 3319 | 1 | 4852 | 0 | 6385 | 0 | 7918 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 254 | 1 | 1787 | 1 | 3320 | 0 | 4853 | 0 | 6386 | 1 | 7919 | 0 |
| 255 | 1 | 1788 | 1 | 3321 | 1 | 4854 | 1 | 6387 | 0 | 7920 | 0 |
| 256 | 1 | 1789 | 1 | 3322 | 1 | 4855 | 1 | 6388 | 1 | 7921 | 1 |
| 257 | 1 | 1790 | 0 | 3323 | 0 | 4856 | 1 | 6389 | 0 | 7922 | 0 |
| 258 | 0 | 1791 | 1 | 3324 | 1 | 4857 | 1 | 6390 | 0 | 7923 | 1 |
| 259 | 0 | 1792 | 1 | 3325 | 1 | 4858 | 0 | 6391 | 0 | 7924 | 0 |
| 260 | 1 | 1793 | 0 | 3326 | 0 | 4859 | 1 | 6392 | 0 | 7925 | 0 |
| 261 | 0 | 1794 | 0 | 3327 | 1 | 4860 | 0 | 6393 | 1 | 7926 | 1 |
| 262 | 1 | 1795 | 1 | 3328 | 0 | 4861 | 0 | 6394 | 0 | 7927 | 0 |
| 263 | 1 | 1796 | 1 | 3329 | 1 | 4862 | 1 | 6395 | 0 | 7928 | 0 |
| 264 | 1 | 1797 | 0 | 3330 | 0 | 4863 | 1 | 6396 | 0 | 7929 | 0 |
| 265 | 1 | 1798 | 1 | 3331 | 0 | 4864 | 1 | 6397 | 0 | 7930 | 1 |
| 266 | 1 | 1799 | 1 | 3332 | 0 | 4865 | 0 | 6398 | 1 | 7931 | 0 |
| 267 | 0 | 1800 | 1 | 3333 | 0 | 4866 | 1 | 6399 | 1 | 7932 | 1 |
| 268 | 1 | 1801 | 1 | 3334 | 0 | 4867 | 0 | 6400 | 1 | 7933 | 1 |
| 269 | 1 | 1802 | 0 | 3335 | 0 | 4868 | 0 | 6401 | 1 | 7934 | 1 |
| 270 | 0 | 1803 | 1 | 3336 | 0 | 4869 | 1 | 6402 | 1 | 7935 | 0 |
| 271 | 1 | 1804 | 0 | 3337 | 0 | 4870 | 1 | 6403 | 0 | 7936 | 1 |
| 272 | 1 | 1805 | 1 | 3338 | 0 | 4871 | 1 | 6404 | 0 | 7937 | 1 |
| 273 | 1 | 1806 | 0 | 3339 | 1 | 4872 | 1 | 6405 | 1 | 7938 | 0 |
| 274 | 0 | 1807 | 0 | 3340 | 1 | 4873 | 1 | 6406 | 1 | 7939 | 1 |
| 275 | 1 | 1808 | 0 | 3341 | 1 | 4874 | 1 | 6407 | 0 | 7940 | 1 |
| 276 | 1 | 1809 | 0 | 3342 | 0 | 4875 | 1 | 6408 | 0 | 7941 | 1 |
| 277 | 1 | 1810 | 0 | 3343 | 0 | 4876 | 0 | 6409 | 0 | 7942 | 1 |
| 278 | 1 | 1811 | 0 | 3344 | 0 | 4877 | 0 | 6410 | 0 | 7943 | 1 |
| 279 | 0 | 1812 | 0 | 3345 | 1 | 4878 | 1 | 6411 | 0 | 7944 | 1 |
| 280 | 1 | 1813 | 0 | 3346 | 0 | 4879 | 1 | 6412 | 0 | 7945 | 1 |
| 281 | 0 | 1814 | 1 | 3347 | 0 | 4880 | 0 | 6413 | 1 | 7946 | 0 |
| 282 | 0 | 1815 | 1 | 3348 | 1 | 4881 | 0 | 6414 | 1 | 7947 | 0 |
| 283 | 1 | 1816 | 1 | 3349 | 1 | 4882 | 1 | 6415 | 1 | 7948 | 1 |
| 284 | 0 | 1817 | 1 | 3350 | 0 | 4883 | 1 | 6416 | 0 | 7949 | 0 |
| 285 | 1 | 1818 | 0 | 3351 | 1 | 4884 | 1 | 6417 | 1 | 7950 | 0 |
| 286 | 1 | 1819 | 0 | 3352 | 1 | 4885 | 1 | 6418 | 0 | 7951 | 1 |
| 287 | 0 | 1820 | 0 | 3353 | 0 | 4886 | 0 | 6419 | 0 | 7952 | 0 |
| 288 | 0 | 1821 | 0 | 3354 | 1 | 4887 | 0 | 6420 | 0 | 7953 | 0 |
| 289 | 1 | 1822 | 0 | 3355 | 1 | 4888 | 0 | 6421 | 1 | 7954 | 0 |
| 290 | 1 | 1823 | 0 | 3356 | 0 | 4889 | 1 | 6422 | 0 | 7955 | 1 |
| 291 | 1 | 1824 | 0 | 3357 | 0 | 4890 | 1 | 6423 | 0 | 7956 | 0 |
| 292 | 1 | 1825 | 0 | 3358 | 0 | 4891 | 0 | 6424 | 0 | 7957 | 1 |
| 293 | 0 | 1826 | 1 | 3359 | 0 | 4892 | 1 | 6425 | 0 | 7958 | 1 |
| 294 | 0 | 1827 | 0 | 3360 | 1 | 4893 | 1 | 6426 | 1 | 7959 | 1 |
| 295 | 1 | 1828 | 1 | 3361 | 0 | 4894 | 0 | 6427 | 1 | 7960 | 0 |
| 296 | 1 | 1829 | 0 | 3362 | 0 | 4895 | 1 | 6428 | 1 | 7961 | 0 |
| 297 | 0 | 1830 | 0 | 3363 | 0 | 4896 | 1 | 6429 | 0 | 7962 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 298 | 0 | 1831 | 1 | 3364 | 1 | 4897 | 0 | 6430 | 0 | 7963 | 1 |
| 299 | 0 | 1832 | 1 | 3365 | 0 | 4898 | 1 | 6431 | 1 | 7964 | 0 |
| 300 | 1 | 1833 | 1 | 3366 | 1 | 4899 | 0 | 6432 | 1 | 7965 | 1 |
| 301 | 0 | 1834 | 0 | 3367 | 0 | 4900 | 1 | 6433 | 1 | 7966 | 1 |
| 302 | 1 | 1835 | 0 | 3368 | 1 | 4901 | 1 | 6434 | 0 | 7967 | 0 |
| 303 | 0 | 1836 | 1 | 3369 | 1 | 4902 | 1 | 6435 | 1 | 7968 | 0 |
| 304 | 1 | 1837 | 0 | 3370 | 0 | 4903 | 0 | 6436 | 1 | 7969 | 1 |
| 305 | 0 | 1838 | 0 | 3371 | 1 | 4904 | 1 | 6437 | 0 | 7970 | 0 |
| 306 | 1 | 1839 | 0 | 3372 | 1 | 4905 | 1 | 6438 | 1 | 7971 | 0 |
| 307 | 1 | 1840 | 1 | 3373 | 1 | 4906 | 1 | 6439 | 1 | 7972 | 0 |
| 308 | 1 | 1841 | 1 | 3374 | 1 | 4907 | 1 | 6440 | 0 | 7973 | 0 |
| 309 | 1 | 1842 | 1 | 3375 | 0 | 4908 | 1 | 6441 | 0 | 7974 | 1 |
| 310 | 1 | 1843 | 1 | 3376 | 1 | 4909 | 1 | 6442 | 0 | 7975 | 0 |
| 311 | 1 | 1844 | 1 | 3377 | 0 | 4910 | 1 | 6443 | 0 | 7976 | 1 |
| 312 | 1 | 1845 | 0 | 3378 | 0 | 4911 | 0 | 6444 | 0 | 7977 | 1 |
| 313 | 0 | 1846 | 0 | 3379 | 1 | 4912 | 1 | 6445 | 0 | 7978 | 0 |
| 314 | 1 | 1847 | 0 | 3380 | 0 | 4913 | 1 | 6446 | 1 | 7979 | 0 |
| 315 | 1 | 1848 | 0 | 3381 | 0 | 4914 | 1 | 6447 | 1 | 7980 | 1 |
| 316 | 0 | 1849 | 0 | 3382 | 0 | 4915 | 0 | 6448 | 1 | 7981 | 0 |
| 317 | 1 | 1850 | 1 | 3383 | 0 | 4916 | 0 | 6449 | 1 | 7982 | 0 |
| 318 | 0 | 1851 | 0 | 3384 | 0 | 4917 | 0 | 6450 | 0 | 7983 | 0 |
| 319 | 0 | 1852 | 0 | 3385 | 0 | 4918 | 0 | 6451 | 1 | 7984 | 1 |
| 320 | 1 | 1853 | 0 | 3386 | 1 | 4919 | 0 | 6452 | 0 | 7985 | 1 |
| 321 | 0 | 1854 | 0 | 3387 | 0 | 4920 | 0 | 6453 | 1 | 7986 | 0 |
| 322 | 1 | 1855 | 0 | 3388 | 1 | 4921 | 1 | 6454 | 0 | 7987 | 0 |
| 323 | 1 | 1856 | 1 | 3389 | 0 | 4922 | 0 | 6455 | 1 | 7988 | 0 |
| 324 | 1 | 1857 | 1 | 3390 | 1 | 4923 | 1 | 6456 | 1 | 7989 | 1 |
| 325 | 1 | 1858 | 0 | 3391 | 1 | 4924 | 1 | 6457 | 1 | 7990 | 0 |
| 326 | 1 | 1859 | 1 | 3392 | 1 | 4925 | 1 | 6458 | 0 | 7991 | 1 |
| 327 | 1 | 1860 | 1 | 3393 | 0 | 4926 | 0 | 6459 | 0 | 7992 | 1 |
| 328 | 1 | 1861 | 0 | 3394 | 1 | 4927 | 0 | 6460 | 1 | 7993 | 0 |
| 329 | 0 | 1862 | 1 | 3395 | 0 | 4928 | 0 | 6461 | 0 | 7994 | 0 |
| 330 | 1 | 1863 | 0 | 3396 | 0 | 4929 | 0 | 6462 | 1 | 7995 | 0 |
| 331 | 1 | 1864 | 0 | 3397 | 0 | 4930 | 0 | 6463 | 0 | 7996 | 0 |
| 332 | 0 | 1865 | 1 | 3398 | 0 | 4931 | 1 | 6464 | 1 | 7997 | 1 |
| 333 | 0 | 1866 | 1 | 3399 | 1 | 4932 | 0 | 6465 | 1 | 7998 | 1 |
| 334 | 0 | 1867 | 0 | 3400 | 1 | 4933 | 1 | 6466 | 1 | 7999 | 1 |
| 335 | 1 | 1868 | 0 | 3401 | 0 | 4934 | 0 | 6467 | 1 | 8000 | 1 |
| 336 | 1 | 1869 | 1 | 3402 | 0 | 4935 | 0 | 6468 | 0 | 8001 | 0 |
| 337 | 1 | 1870 | 0 | 3403 | 0 | 4936 | 0 | 6469 | 1 | 8002 | 0 |
| 338 | 0 | 1871 | 1 | 3404 | 1 | 4937 | 0 | 6470 | 1 | 8003 | 1 |
| 339 | 1 | 1872 | 0 | 3405 | 1 | 4938 | 0 | 6471 | 0 | 8004 | 0 |
| 340 | 0 | 1873 | 1 | 3406 | 0 | 4939 | 1 | 6472 | 1 | 8005 | 1 |
| 341 | 0 | 1874 | 1 | 3407 | 1 | 4940 | 0 | 6473 | 1 | 8006 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 342 | 1 | 1875 | 0 | 3408 | 0 | 4941 | 0 | 6474 | 1 | 8007 | 0 |
| 343 | 1 | 1876 | 0 | 3409 | 1 | 4942 | 0 | 6475 | 1 | 8008 | 1 |
| 344 | 0 | 1877 | 0 | 3410 | 1 | 4943 | 0 | 6476 | 1 | 8009 | 1 |
| 345 | 0 | 1878 | 1 | 3411 | 0 | 4944 | 0 | 6477 | 1 | 8010 | 1 |
| 346 | 0 | 1879 | 1 | 3412 | 0 | 4945 | 1 | 6478 | 0 | 8011 | 0 |
| 347 | 0 | 1880 | 1 | 3413 | 1 | 4946 | 0 | 6479 | 0 | 8012 | 0 |
| 348 | 1 | 1881 | 0 | 3414 | 1 | 4947 | 0 | 6480 | 1 | 8013 | 1 |
| 349 | 1 | 1882 | 0 | 3415 | 0 | 4948 | 1 | 6481 | 1 | 8014 | 0 |
| 350 | 1 | 1883 | 0 | 3416 | 0 | 4949 | 1 | 6482 | 1 | 8015 | 1 |
| 351 | 0 | 1884 | 0 | 3417 | 0 | 4950 | 0 | 6483 | 1 | 8016 | 0 |
| 352 | 1 | 1885 | 1 | 3418 | 1 | 4951 | 0 | 6484 | 0 | 8017 | 1 |
| 353 | 0 | 1886 | 0 | 3419 | 1 | 4952 | 1 | 6485 | 0 | 8018 | 1 |
| 354 | 0 | 1887 | 0 | 3420 | 1 | 4953 | 0 | 6486 | 1 | 8019 | 1 |
| 355 | 0 | 1888 | 0 | 3421 | 0 | 4954 | 0 | 6487 | 0 | 8020 | 0 |
| 356 | 0 | 1889 | 1 | 3422 | 0 | 4955 | 0 | 6488 | 0 | 8021 | 1 |
| 357 | 0 | 1890 | 0 | 3423 | 1 | 4956 | 0 | 6489 | 0 | 8022 | 1 |
| 358 | 0 | 1891 | 0 | 3424 | 1 | 4957 | 0 | 6490 | 0 | 8023 | 1 |
| 359 | 0 | 1892 | 1 | 3425 | 1 | 4958 | 1 | 6491 | 1 | 8024 | 0 |
| 360 | 0 | 1893 | 1 | 3426 | 0 | 4959 | 0 | 6492 | 0 | 8025 | 1 |
| 361 | 1 | 1894 | 1 | 3427 | 1 | 4960 | 1 | 6493 | 0 | 8026 | 1 |
| 362 | 1 | 1895 | 1 | 3428 | 1 | 4961 | 0 | 6494 | 1 | 8027 | 1 |
| 363 | 1 | 1896 | 0 | 3429 | 0 | 4962 | 1 | 6495 | 1 | 8028 | 0 |
| 364 | 1 | 1897 | 1 | 3430 | 0 | 4963 | 1 | 6496 | 1 | 8029 | 1 |
| 365 | 0 | 1898 | 0 | 3431 | 1 | 4964 | 0 | 6497 | 0 | 8030 | 0 |
| 366 | 0 | 1899 | 0 | 3432 | 0 | 4965 | 1 | 6498 | 0 | 8031 | 0 |
| 367 | 1 | 1900 | 0 | 3433 | 1 | 4966 | 0 | 6499 | 0 | 8032 | 0 |
| 368 | 1 | 1901 | 1 | 3434 | 1 | 4967 | 0 | 6500 | 0 | 8033 | 0 |
| 369 | 0 | 1902 | 1 | 3435 | 1 | 4968 | 0 | 6501 | 1 | 8034 | 1 |
| 370 | 1 | 1903 | 0 | 3436 | 0 | 4969 | 0 | 6502 | 0 | 8035 | 0 |
| 371 | 1 | 1904 | 1 | 3437 | 1 | 4970 | 0 | 6503 | 0 | 8036 | 0 |
| 372 | 0 | 1905 | 0 | 3438 | 1 | 4971 | 0 | 6504 | 0 | 8037 | 0 |
| 373 | 1 | 1906 | 0 | 3439 | 0 | 4972 | 0 | 6505 | 0 | 8038 | 0 |
| 374 | 1 | 1907 | 0 | 3440 | 1 | 4973 | 0 | 6506 | 0 | 8039 | 1 |
| 375 | 1 | 1908 | 1 | 3441 | 0 | 4974 | 0 | 6507 | 1 | 8040 | 0 |
| 376 | 0 | 1909 | 0 | 3442 | 1 | 4975 | 0 | 6508 | 0 | 8041 | 0 |
| 377 | 0 | 1910 | 1 | 3443 | 1 | 4976 | 1 | 6509 | 0 | 8042 | 0 |
| 378 | 0 | 1911 | 0 | 3444 | 0 | 4977 | 1 | 6510 | 0 | 8043 | 0 |
| 379 | 1 | 1912 | 0 | 3445 | 1 | 4978 | 1 | 6511 | 0 | 8044 | 0 |
| 380 | 1 | 1913 | 1 | 3446 | 1 | 4979 | 0 | 6512 | 0 | 8045 | 0 |
| 381 | 0 | 1914 | 1 | 3447 | 1 | 4980 | 0 | 6513 | 0 | 8046 | 0 |
| 382 | 0 | 1915 | 1 | 3448 | 1 | 4981 | 1 | 6514 | 1 | 8047 | 0 |
| 383 | 0 | 1916 | 0 | 3449 | 1 | 4982 | 0 | 6515 | 1 | 8048 | 1 |
| 384 | 1 | 1917 | 0 | 3450 | 1 | 4983 | 0 | 6516 | 0 | 8049 | 1 |
| 385 | 1 | 1918 | 1 | 3451 | 0 | 4984 | 1 | 6517 | 0 | 8050 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 386 | 1 | 1919 | 0 | 3452 | 1 | 4985 | 0 | 6518 | 0 | 8051 | 0 |
| 387 | 0 | 1920 | 0 | 3453 | 1 | 4986 | 1 | 6519 | 1 | 8052 | 0 |
| 388 | 1 | 1921 | 1 | 3454 | 0 | 4987 | 1 | 6520 | 0 | 8053 | 1 |
| 389 | 0 | 1922 | 1 | 3455 | 0 | 4988 | 0 | 6521 | 0 | 8054 | 0 |
| 390 | 0 | 1923 | 0 | 3456 | 1 | 4989 | 0 | 6522 | 0 | 8055 | 0 |
| 391 | 1 | 1924 | 0 | 3457 | 0 | 4990 | 0 | 6523 | 1 | 8056 | 1 |
| 392 | 0 | 1925 | 0 | 3458 | 1 | 4991 | 1 | 6524 | 0 | 8057 | 0 |
| 393 | 0 | 1926 | 0 | 3459 | 1 | 4992 | 0 | 6525 | 0 | 8058 | 0 |
| 394 | 0 | 1927 | 1 | 3460 | 1 | 4993 | 0 | 6526 | 1 | 8059 | 1 |
| 395 | 1 | 1928 | 1 | 3461 | 1 | 4994 | 1 | 6527 | 1 | 8060 | 1 |
| 396 | 1 | 1929 | 0 | 3462 | 1 | 4995 | 0 | 6528 | 0 | 8061 | 0 |
| 397 | 0 | 1930 | 1 | 3463 | 1 | 4996 | 0 | 6529 | 1 | 8062 | 1 |
| 398 | 0 | 1931 | 0 | 3464 | 0 | 4997 | 0 | 6530 | 0 | 8063 | 0 |
| 399 | 0 | 1932 | 0 | 3465 | 1 | 4998 | 0 | 6531 | 0 | 8064 | 0 |
| 400 | 1 | 1933 | 0 | 3466 | 1 | 4999 | 1 | 6532 | 0 | 8065 | 0 |
| 401 | 0 | 1934 | 0 | 3467 | 0 | 5000 | 1 | 6533 | 0 | 8066 | 0 |
| 402 | 0 | 1935 | 0 | 3468 | 1 | 5001 | 1 | 6534 | 0 | 8067 | 0 |
| 403 | 0 | 1936 | 0 | 3469 | 1 | 5002 | 1 | 6535 | 0 | 8068 | 1 |
| 404 | 0 | 1937 | 0 | 3470 | 0 | 5003 | 0 | 6536 | 0 | 8069 | 0 |
| 405 | 0 | 1938 | 0 | 3471 | 1 | 5004 | 1 | 6537 | 0 | 8070 | 0 |
| 406 | 1 | 1939 | 1 | 3472 | 1 | 5005 | 1 | 6538 | 0 | 8071 | 0 |
| 407 | 0 | 1940 | 0 | 3473 | 1 | 5006 | 1 | 6539 | 1 | 8072 | 1 |
| 408 | 0 | 1941 | 1 | 3474 | 0 | 5007 | 1 | 6540 | 1 | 8073 | 0 |
| 409 | 0 | 1942 | 1 | 3475 | 1 | 5008 | 1 | 6541 | 1 | 8074 | 0 |
| 410 | 0 | 1943 | 1 | 3476 | 0 | 5009 | 1 | 6542 | 1 | 8075 | 1 |
| 411 | 1 | 1944 | 1 | 3477 | 0 | 5010 | 1 | 6543 | 0 | 8076 | 1 |
| 412 | 1 | 1945 | 1 | 3478 | 1 | 5011 | 0 | 6544 | 0 | 8077 | 1 |
| 413 | 1 | 1946 | 1 | 3479 | 0 | 5012 | 1 | 6545 | 0 | 8078 | 1 |
| 414 | 0 | 1947 | 0 | 3480 | 0 | 5013 | 0 | 6546 | 1 | 8079 | 0 |
| 415 | 0 | 1948 | 0 | 3481 | 1 | 5014 | 1 | 6547 | 0 | 8080 | 0 |
| 416 | 1 | 1949 | 0 | 3482 | 1 | 5015 | 0 | 6548 | 1 | 8081 | 0 |
| 417 | 0 | 1950 | 1 | 3483 | 1 | 5016 | 0 | 6549 | 0 | 8082 | 1 |
| 418 | 0 | 1951 | 1 | 3484 | 0 | 5017 | 0 | 6550 | 1 | 8083 | 0 |
| 419 | 1 | 1952 | 1 | 3485 | 1 | 5018 | 0 | 6551 | 1 | 8084 | 0 |
| 420 | 1 | 1953 | 1 | 3486 | 0 | 5019 | 1 | 6552 | 0 | 8085 | 1 |
| 421 | 1 | 1954 | 1 | 3487 | 0 | 5020 | 0 | 6553 | 1 | 8086 | 1 |
| 422 | 1 | 1955 | 1 | 3488 | 0 | 5021 | 1 | 6554 | 0 | 8087 | 1 |
| 423 | 0 | 1956 | 0 | 3489 | 0 | 5022 | 0 | 6555 | 0 | 8088 | 0 |
| 424 | 0 | 1957 | 0 | 3490 | 1 | 5023 | 1 | 6556 | 1 | 8089 | 0 |
| 425 | 1 | 1958 | 0 | 3491 | 0 | 5024 | 0 | 6557 | 0 | 8090 | 1 |
| 426 | 0 | 1959 | 0 | 3492 | 0 | 5025 | 1 | 6558 | 0 | 8091 | 0 |
| 427 | 1 | 1960 | 1 | 3493 | 1 | 5026 | 1 | 6559 | 1 | 8092 | 1 |
| 428 | 1 | 1961 | 0 | 3494 | 0 | 5027 | 0 | 6560 | 1 | 8093 | 1 |
| 429 | 0 | 1962 | 0 | 3495 | 1 | 5028 | 1 | 6561 | 1 | 8094 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 430 | 1 | 1963 | 1 | 3496 | 1 | 5029 | 1 | 6562 | 1 | 8095 | 0 |
| 431 | 0 | 1964 | 0 | 3497 | 0 | 5030 | 1 | 6563 | 0 | 8096 | 1 |
| 432 | 1 | 1965 | 1 | 3498 | 1 | 5031 | 0 | 6564 | 1 | 8097 | 0 |
| 433 | 0 | 1966 | 0 | 3499 | 0 | 5032 | 0 | 6565 | 1 | 8098 | 0 |
| 434 | 0 | 1967 | 0 | 3500 | 0 | 5033 | 1 | 6566 | 0 | 8099 | 1 |
| 435 | 1 | 1968 | 0 | 3501 | 1 | 5034 | 0 | 6567 | 1 | 8100 | 0 |
| 436 | 0 | 1969 | 1 | 3502 | 0 | 5035 | 0 | 6568 | 0 | 8101 | 0 |
| 437 | 1 | 1970 | 1 | 3503 | 1 | 5036 | 1 | 6569 | 0 | 8102 | 1 |
| 438 | 0 | 1971 | 1 | 3504 | 1 | 5037 | 0 | 6570 | 1 | 8103 | 1 |
| 439 | 1 | 1972 | 1 | 3505 | 0 | 5038 | 1 | 6571 | 1 | 8104 | 1 |
| 440 | 0 | 1973 | 0 | 3506 | 1 | 5039 | 0 | 6572 | 0 | 8105 | 1 |
| 441 | 0 | 1974 | 0 | 3507 | 0 | 5040 | 1 | 6573 | 1 | 8106 | 1 |
| 442 | 1 | 1975 | 1 | 3508 | 1 | 5041 | 1 | 6574 | 0 | 8107 | 0 |
| 443 | 1 | 1976 | 0 | 3509 | 1 | 5042 | 0 | 6575 | 0 | 8108 | 0 |
| 444 | 0 | 1977 | 0 | 3510 | 1 | 5043 | 0 | 6576 | 0 | 8109 | 1 |
| 445 | 0 | 1978 | 0 | 3511 | 0 | 5044 | 1 | 6577 | 0 | 8110 | 1 |
| 446 | 1 | 1979 | 0 | 3512 | 0 | 5045 | 1 | 6578 | 0 | 8111 | 0 |
| 447 | 1 | 1980 | 1 | 3513 | 0 | 5046 | 1 | 6579 | 0 | 8112 | 1 |
| 448 | 0 | 1981 | 1 | 3514 | 1 | 5047 | 1 | 6580 | 0 | 8113 | 0 |
| 449 | 1 | 1982 | 1 | 3515 | 0 | 5048 | 0 | 6581 | 0 | 8114 | 0 |
| 450 | 1 | 1983 | 1 | 3516 | 1 | 5049 | 0 | 6582 | 1 | 8115 | 0 |
| 451 | 0 | 1984 | 1 | 3517 | 1 | 5050 | 1 | 6583 | 1 | 8116 | 0 |
| 452 | 1 | 1985 | 0 | 3518 | 1 | 5051 | 1 | 6584 | 1 | 8117 | 1 |
| 453 | 1 | 1986 | 1 | 3519 | 1 | 5052 | 1 | 6585 | 0 | 8118 | 1 |
| 454 | 0 | 1987 | 1 | 3520 | 0 | 5053 | 1 | 6586 | 0 | 8119 | 0 |
| 455 | 0 | 1988 | 1 | 3521 | 0 | 5054 | 0 | 6587 | 1 | 8120 | 0 |
| 456 | 0 | 1989 | 0 | 3522 | 0 | 5055 | 1 | 6588 | 0 | 8121 | 1 |
| 457 | 1 | 1990 | 0 | 3523 | 1 | 5056 | 0 | 6589 | 0 | 8122 | 0 |
| 458 | 1 | 1991 | 0 | 3524 | 1 | 5057 | 1 | 6590 | 0 | 8123 | 1 |
| 459 | 0 | 1992 | 0 | 3525 | 0 | 5058 | 1 | 6591 | 1 | 8124 | 0 |
| 460 | 0 | 1993 | 0 | 3526 | 1 | 5059 | 1 | 6592 | 1 | 8125 | 0 |
| 461 | 1 | 1994 | 1 | 3527 | 0 | 5060 | 0 | 6593 | 0 | 8126 | 0 |
| 462 | 0 | 1995 | 0 | 3528 | 0 | 5061 | 1 | 6594 | 0 | 8127 | 1 |
| 463 | 0 | 1996 | 1 | 3529 | 1 | 5062 | 0 | 6595 | 1 | 8128 | 1 |
| 464 | 1 | 1997 | 1 | 3530 | 0 | 5063 | 1 | 6596 | 1 | 8129 | 1 |
| 465 | 0 | 1998 | 0 | 3531 | 0 | 5064 | 0 | 6597 | 0 | 8130 | 0 |
| 466 | 1 | 1999 | 0 | 3532 | 1 | 5065 | 0 | 6598 | 0 | 8131 | 0 |
| 467 | 0 | 2000 | 0 | 3533 | 0 | 5066 | 1 | 6599 | 0 | 8132 | 1 |
| 468 | 0 | 2001 | 0 | 3534 | 0 | 5067 | 0 | 6600 | 0 | 8133 | 0 |
| 469 | 1 | 2002 | 0 | 3535 | 0 | 5068 | 0 | 6601 | 0 | 8134 | 1 |
| 470 | 1 | 2003 | 1 | 3536 | 1 | 5069 | 1 | 6602 | 1 | 8135 | 1 |
| 471 | 0 | 2004 | 1 | 3537 | 1 | 5070 | 1 | 6603 | 1 | 8136 | 0 |
| 472 | 1 | 2005 | 1 | 3538 | 1 | 5071 | 1 | 6604 | 1 | 8137 | 0 |
| 473 | 0 | 2006 | 0 | 3539 | 1 | 5072 | 0 | 6605 | 1 | 8138 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 474 | 1 | 2007 | 1 | 3540 | 0 | 5073 | 0 | 6606 | 0 | 8139 | 0 |
| 475 | 1 | 2008 | 0 | 3541 | 1 | 5074 | 0 | 6607 | 0 | 8140 | 1 |
| 476 | 1 | 2009 | 0 | 3542 | 1 | 5075 | 0 | 6608 | 1 | 8141 | 0 |
| 477 | 0 | 2010 | 1 | 3543 | 1 | 5076 | 0 | 6609 | 1 | 8142 | 1 |
| 478 | 0 | 2011 | 0 | 3544 | 1 | 5077 | 1 | 6610 | 1 | 8143 | 0 |
| 479 | 1 | 2012 | 1 | 3545 | 0 | 5078 | 1 | 6611 | 0 | 8144 | 0 |
| 480 | 0 | 2013 | 1 | 3546 | 1 | 5079 | 0 | 6612 | 1 | 8145 | 0 |
| 481 | 0 | 2014 | 0 | 3547 | 0 | 5080 | 1 | 6613 | 1 | 8146 | 1 |
| 482 | 0 | 2015 | 1 | 3548 | 0 | 5081 | 1 | 6614 | 1 | 8147 | 0 |
| 483 | 0 | 2016 | 0 | 3549 | 0 | 5082 | 0 | 6615 | 1 | 8148 | 0 |
| 484 | 0 | 2017 | 0 | 3550 | 1 | 5083 | 1 | 6616 | 1 | 8149 | 1 |
| 485 | 1 | 2018 | 1 | 3551 | 1 | 5084 | 0 | 6617 | 0 | 8150 | 0 |
| 486 | 1 | 2019 | 0 | 3552 | 1 | 5085 | 1 | 6618 | 1 | 8151 | 0 |
| 487 | 1 | 2020 | 1 | 3553 | 1 | 5086 | 0 | 6619 | 0 | 8152 | 1 |
| 488 | 0 | 2021 | 1 | 3554 | 1 | 5087 | 1 | 6620 | 1 | 8153 | 0 |
| 489 | 1 | 2022 | 1 | 3555 | 0 | 5088 | 1 | 6621 | 0 | 8154 | 0 |
| 490 | 1 | 2023 | 1 | 3556 | 0 | 5089 | 0 | 6622 | 0 | 8155 | 1 |
| 491 | 1 | 2024 | 0 | 3557 | 1 | 5090 | 1 | 6623 | 1 | 8156 | 0 |
| 492 | 1 | 2025 | 0 | 3558 | 0 | 5091 | 0 | 6624 | 0 | 8157 | 0 |
| 493 | 1 | 2026 | 0 | 3559 | 1 | 5092 | 0 | 6625 | 1 | 8158 | 1 |
| 494 | 1 | 2027 | 0 | 3560 | 1 | 5093 | 1 | 6626 | 0 | 8159 | 0 |
| 495 | 1 | 2028 | 0 | 3561 | 0 | 5094 | 1 | 6627 | 1 | 8160 | 0 |
| 496 | 1 | 2029 | 1 | 3562 | 1 | 5095 | 1 | 6628 | 1 | 8161 | 0 |
| 497 | 1 | 2030 | 0 | 3563 | 0 | 5096 | 1 | 6629 | 0 | 8162 | 1 |
| 498 | 0 | 2031 | 0 | 3564 | 0 | 5097 | 1 | 6630 | 1 | 8163 | 1 |
| 499 | 1 | 2032 | 1 | 3565 | 0 | 5098 | 0 | 6631 | 1 | 8164 | 1 |
| 500 | 0 | 2033 | 0 | 3566 | 1 | 5099 | 0 | 6632 | 1 | 8165 | 1 |
| 501 | 1 | 2034 | 1 | 3567 | 1 | 5100 | 1 | 6633 | 0 | 8166 | 0 |
| 502 | 1 | 2035 | 1 | 3568 | 1 | 5101 | 1 | 6634 | 1 | 8167 | 1 |
| 503 | 0 | 2036 | 1 | 3569 | 1 | 5102 | 1 | 6635 | 0 | 8168 | 1 |
| 504 | 0 | 2037 | 1 | 3570 | 1 | 5103 | 0 | 6636 | 0 | 8169 | 1 |
| 505 | 0 | 2038 | 1 | 3571 | 1 | 5104 | 1 | 6637 | 1 | 8170 | 0 |
| 506 | 1 | 2039 | 0 | 3572 | 0 | 5105 | 1 | 6638 | 1 | 8171 | 0 |
| 507 | 1 | 2040 | 1 | 3573 | 0 | 5106 | 0 | 6639 | 0 | 8172 | 1 |
| 508 | 1 | 2041 | 1 | 3574 | 1 | 5107 | 0 | 6640 | 1 | 8173 | 0 |
| 509 | 1 | 2042 | 0 | 3575 | 0 | 5108 | 0 | 6641 | 1 | 8174 | 0 |
| 510 | 1 | 2043 | 1 | 3576 | 1 | 5109 | 1 | 6642 | 1 | 8175 | 0 |
| 511 | 1 | 2044 | 0 | 3577 | 1 | 5110 | 0 | 6643 | 0 | 8176 | 1 |
| 512 | 1 | 2045 | 0 | 3578 | 1 | 5111 | 1 | 6644 | 1 | 8177 | 0 |
| 513 | 0 | 2046 | 0 | 3579 | 0 | 5112 | 1 | 6645 | 1 | 8178 | 0 |
| 514 | 1 | 2047 | 1 | 3580 | 1 | 5113 | 1 | 6646 | 0 | 8179 | 1 |
| 515 | 1 | 2048 | 1 | 3581 | 0 | 5114 | 1 | 6647 | 0 | 8180 | 1 |
| 516 | 1 | 2049 | 1 | 3582 | 1 | 5115 | 1 | 6648 | 0 | 8181 | 1 |
| 517 | 1 | 2050 | 0 | 3583 | 0 | 5116 | 0 | 6649 | 1 | 8182 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 518 | 0 | 2051 | 1 | 3584 | 0 | 5117 | 1 | 6650 | 1 | 8183 | 0 |
| 519 | 1 | 2052 | 1 | 3585 | 0 | 5118 | 1 | 6651 | 1 | 8184 | 1 |
| 520 | 0 | 2053 | 1 | 3586 | 0 | 5119 | 0 | 6652 | 0 | 8185 | 0 |
| 521 | 0 | 2054 | 0 | 3587 | 1 | 5120 | 0 | 6653 | 1 | 8186 | 0 |
| 522 | 0 | 2055 | 1 | 3588 | 1 | 5121 | 1 | 6654 | 1 | 8187 | 1 |
| 523 | 1 | 2056 | 1 | 3589 | 1 | 5122 | 1 | 6655 | 0 | 8188 | 1 |
| 524 | 1 | 2057 | 0 | 3590 | 1 | 5123 | 1 | 6656 | 1 | 8189 | 0 |
| 525 | 1 | 2058 | 0 | 3591 | 1 | 5124 | 0 | 6657 | 1 | 8190 | 1 |
| 526 | 1 | 2059 | 1 | 3592 | 1 | 5125 | 1 | 6658 | 0 | 8191 | 0 |
| 527 | 1 | 2060 | 0 | 3593 | 0 | 5126 | 0 | 6659 | 0 | 8192 | 1 |
| 528 | 0 | 2061 | 0 | 3594 | 0 | 5127 | 1 | 6660 | 0 | 8193 | 0 |
| 529 | 0 | 2062 | 0 | 3595 | 0 | 5128 | 0 | 6661 | 1 | 8194 | 0 |
| 530 | 1 | 2063 | 1 | 3596 | 0 | 5129 | 1 | 6662 | 1 | 8195 | 0 |
| 531 | 1 | 2064 | 1 | 3597 | 1 | 5130 | 1 | 6663 | 0 | 8196 | 1 |
| 532 | 0 | 2065 | 0 | 3598 | 1 | 5131 | 1 | 6664 | 1 | 8197 | 1 |
| 533 | 1 | 2066 | 1 | 3599 | 0 | 5132 | 0 | 6665 | 1 | 8198 | 1 |
| 534 | 0 | 2067 | 1 | 3600 | 0 | 5133 | 0 | 6666 | 0 | 8199 | 1 |
| 535 | 1 | 2068 | 0 | 3601 | 1 | 5134 | 0 | 6667 | 1 | 8200 | 0 |
| 536 | 0 | 2069 | 0 | 3602 | 0 | 5135 | 0 | 6668 | 1 | 8201 | 1 |
| 537 | 1 | 2070 | 0 | 3603 | 1 | 5136 | 1 | 6669 | 1 | 8202 | 0 |
| 538 | 0 | 2071 | 0 | 3604 | 0 | 5137 | 1 | 6670 | 0 | 8203 | 0 |
| 539 | 1 | 2072 | 0 | 3605 | 0 | 5138 | 1 | 6671 | 0 | 8204 | 1 |
| 540 | 1 | 2073 | 1 | 3606 | 1 | 5139 | 0 | 6672 | 1 | 8205 | 1 |
| 541 | 0 | 2074 | 0 | 3607 | 0 | 5140 | 0 | 6673 | 0 | 8206 | 1 |
| 542 | 0 | 2075 | 0 | 3608 | 0 | 5141 | 0 | 6674 | 1 | 8207 | 0 |
| 543 | 1 | 2076 | 1 | 3609 | 0 | 5142 | 0 | 6675 | 0 | 8208 | 1 |
| 544 | 0 | 2077 | 0 | 3610 | 0 | 5143 | 1 | 6676 | 1 | 8209 | 0 |
| 545 | 1 | 2078 | 0 | 3611 | 0 | 5144 | 1 | 6677 | 1 | 8210 | 0 |
| 546 | 1 | 2079 | 0 | 3612 | 1 | 5145 | 0 | 6678 | 0 | 8211 | 1 |
| 547 | 0 | 2080 | 0 | 3613 | 1 | 5146 | 1 | 6679 | 0 | 8212 | 0 |
| 548 | 0 | 2081 | 1 | 3614 | 0 | 5147 | 1 | 6680 | 0 | 8213 | 1 |
| 549 | 0 | 2082 | 0 | 3615 | 1 | 5148 | 1 | 6681 | 1 | 8214 | 1 |
| 550 | 1 | 2083 | 1 | 3616 | 0 | 5149 | 0 | 6682 | 1 | 8215 | 0 |
| 551 | 0 | 2084 | 0 | 3617 | 1 | 5150 | 1 | 6683 | 1 | 8216 | 1 |
| 552 | 1 | 2085 | 1 | 3618 | 0 | 5151 | 1 | 6684 | 1 | 8217 | 1 |
| 553 | 0 | 2086 | 1 | 3619 | 0 | 5152 | 0 | 6685 | 0 | 8218 | 0 |
| 554 | 0 | 2087 | 0 | 3620 | 0 | 5153 | 0 | 6686 | 1 | 8219 | 0 |
| 555 | 1 | 2088 | 1 | 3621 | 0 | 5154 | 1 | 6687 | 1 | 8220 | 0 |
| 556 | 0 | 2089 | 0 | 3622 | 1 | 5155 | 1 | 6688 | 0 | 8221 | 0 |
| 557 | 1 | 2090 | 1 | 3623 | 0 | 5156 | 1 | 6689 | 0 | 8222 | 0 |
| 558 | 1 | 2091 | 0 | 3624 | 0 | 5157 | 1 | 6690 | 0 | 8223 | 1 |
| 559 | 0 | 2092 | 1 | 3625 | 1 | 5158 | 0 | 6691 | 1 | 8224 | 0 |
| 560 | 1 | 2093 | 0 | 3626 | 1 | 5159 | 1 | 6692 | 1 | 8225 | 1 |
| 561 | 1 | 2094 | 1 | 3627 | 1 | 5160 | 1 | 6693 | 0 | 8226 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 562 | 1 | 2095 | 1 | 3628 | 0 | 5161 | 1 | 6694 | 1 | 8227 | 1 |
| 563 | 1 | 2096 | 1 | 3629 | 1 | 5162 | 1 | 6695 | 0 | 8228 | 0 |
| 564 | 1 | 2097 | 0 | 3630 | 1 | 5163 | 1 | 6696 | 1 | 8229 | 0 |
| 565 | 1 | 2098 | 1 | 3631 | 0 | 5164 | 0 | 6697 | 1 | 8230 | 0 |
| 566 | 0 | 2099 | 1 | 3632 | 0 | 5165 | 0 | 6698 | 1 | 8231 | 1 |
| 567 | 1 | 2100 | 1 | 3633 | 0 | 5166 | 0 | 6699 | 0 | 8232 | 1 |
| 568 | 0 | 2101 | 1 | 3634 | 0 | 5167 | 1 | 6700 | 1 | 8233 | 1 |
| 569 | 0 | 2102 | 1 | 3635 | 1 | 5168 | 0 | 6701 | 0 | 8234 | 0 |
| 570 | 1 | 2103 | 0 | 3636 | 1 | 5169 | 1 | 6702 | 0 | 8235 | 0 |
| 571 | 1 | 2104 | 0 | 3637 | 0 | 5170 | 0 | 6703 | 1 | 8236 | 0 |
| 572 | 1 | 2105 | 1 | 3638 | 0 | 5171 | 1 | 6704 | 1 | 8237 | 0 |
| 573 | 0 | 2106 | 1 | 3639 | 1 | 5172 | 1 | 6705 | 1 | 8238 | 1 |
| 574 | 0 | 2107 | 1 | 3640 | 0 | 5173 | 1 | 6706 | 1 | 8239 | 0 |
| 575 | 1 | 2108 | 1 | 3641 | 0 | 5174 | 1 | 6707 | 1 | 8240 | 1 |
| 576 | 0 | 2109 | 0 | 3642 | 0 | 5175 | 1 | 6708 | 1 | 8241 | 1 |
| 577 | 0 | 2110 | 0 | 3643 | 0 | 5176 | 0 | 6709 | 0 | 8242 | 1 |
| 578 | 0 | 2111 | 1 | 3644 | 0 | 5177 | 0 | 6710 | 0 | 8243 | 0 |
| 579 | 0 | 2112 | 0 | 3645 | 0 | 5178 | 0 | 6711 | 0 | 8244 | 1 |
| 580 | 1 | 2113 | 1 | 3646 | 1 | 5179 | 0 | 6712 | 1 | 8245 | 0 |
| 581 | 0 | 2114 | 0 | 3647 | 1 | 5180 | 0 | 6713 | 0 | 8246 | 1 |
| 582 | 0 | 2115 | 1 | 3648 | 0 | 5181 | 1 | 6714 | 0 | 8247 | 0 |
| 583 | 0 | 2116 | 1 | 3649 | 1 | 5182 | 0 | 6715 | 0 | 8248 | 1 |
| 584 | 1 | 2117 | 1 | 3650 | 0 | 5183 | 0 | 6716 | 1 | 8249 | 0 |
| 585 | 1 | 2118 | 1 | 3651 | 1 | 5184 | 1 | 6717 | 0 | 8250 | 1 |
| 586 | 0 | 2119 | 1 | 3652 | 1 | 5185 | 1 | 6718 | 0 | 8251 | 0 |
| 587 | 0 | 2120 | 1 | 3653 | 0 | 5186 | 0 | 6719 | 0 | 8252 | 0 |
| 588 | 1 | 2121 | 1 | 3654 | 0 | 5187 | 1 | 6720 | 1 | 8253 | 1 |
| 589 | 0 | 2122 | 0 | 3655 | 0 | 5188 | 0 | 6721 | 0 | 8254 | 1 |
| 590 | 0 | 2123 | 0 | 3656 | 0 | 5189 | 0 | 6722 | 1 | 8255 | 1 |
| 591 | 0 | 2124 | 1 | 3657 | 1 | 5190 | 0 | 6723 | 0 | 8256 | 0 |
| 592 | 1 | 2125 | 0 | 3658 | 1 | 5191 | 0 | 6724 | 1 | 8257 | 1 |
| 593 | 1 | 2126 | 1 | 3659 | 1 | 5192 | 1 | 6725 | 0 | 8258 | 1 |
| 594 | 1 | 2127 | 1 | 3660 | 0 | 5193 | 0 | 6726 | 1 | 8259 | 1 |
| 595 | 0 | 2128 | 0 | 3661 | 0 | 5194 | 0 | 6727 | 0 | 8260 | 1 |
| 596 | 1 | 2129 | 0 | 3662 | 1 | 5195 | 0 | 6728 | 0 | 8261 | 0 |
| 597 | 0 | 2130 | 1 | 3663 | 0 | 5196 | 0 | 6729 | 1 | 8262 | 1 |
| 598 | 1 | 2131 | 0 | 3664 | 1 | 5197 | 1 | 6730 | 1 | 8263 | 1 |
| 599 | 0 | 2132 | 0 | 3665 | 1 | 5198 | 1 | 6731 | 1 | 8264 | 1 |
| 600 | 1 | 2133 | 1 | 3666 | 1 | 5199 | 0 | 6732 | 1 | 8265 | 1 |
| 601 | 1 | 2134 | 1 | 3667 | 0 | 5200 | 1 | 6733 | 1 | 8266 | 1 |
| 602 | 1 | 2135 | 0 | 3668 | 0 | 5201 | 0 | 6734 | 0 | 8267 | 1 |
| 603 | 1 | 2136 | 0 | 3669 | 0 | 5202 | 0 | 6735 | 0 | 8268 | 1 |
| 604 | 1 | 2137 | 0 | 3670 | 1 | 5203 | 1 | 6736 | 0 | 8269 | 0 |
| 605 | 1 | 2138 | 0 | 3671 | 0 | 5204 | 1 | 6737 | 1 | 8270 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 606 | 0 | 2139 | 0 | 3672 | 0 | 5205 | 1 | 6738 | 0 | 8271 | 1 |
| 607 | 1 | 2140 | 1 | 3673 | 0 | 5206 | 1 | 6739 | 0 | 8272 | 1 |
| 608 | 1 | 2141 | 0 | 3674 | 1 | 5207 | 1 | 6740 | 1 | 8273 | 1 |
| 609 | 1 | 2142 | 0 | 3675 | 1 | 5208 | 0 | 6741 | 1 | 8274 | 0 |
| 610 | 0 | 2143 | 0 | 3676 | 1 | 5209 | 0 | 6742 | 1 | 8275 | 1 |
| 611 | 0 | 2144 | 1 | 3677 | 1 | 5210 | 0 | 6743 | 0 | 8276 | 1 |
| 612 | 1 | 2145 | 1 | 3678 | 1 | 5211 | 0 | 6744 | 1 | 8277 | 1 |
| 613 | 0 | 2146 | 0 | 3679 | 0 | 5212 | 0 | 6745 | 1 | 8278 | 1 |
| 614 | 0 | 2147 | 1 | 3680 | 1 | 5213 | 1 | 6746 | 0 | 8279 | 0 |
| 615 | 0 | 2148 | 0 | 3681 | 0 | 5214 | 1 | 6747 | 1 | 8280 | 0 |
| 616 | 0 | 2149 | 1 | 3682 | 1 | 5215 | 0 | 6748 | 1 | 8281 | 1 |
| 617 | 1 | 2150 | 1 | 3683 | 1 | 5216 | 1 | 6749 | 0 | 8282 | 0 |
| 618 | 1 | 2151 | 1 | 3684 | 1 | 5217 | 0 | 6750 | 1 | 8283 | 1 |
| 619 | 0 | 2152 | 0 | 3685 | 1 | 5218 | 1 | 6751 | 1 | 8284 | 0 |
| 620 | 1 | 2153 | 1 | 3686 | 0 | 5219 | 1 | 6752 | 1 | 8285 | 0 |
| 621 | 1 | 2154 | 1 | 3687 | 0 | 5220 | 0 | 6753 | 1 | 8286 | 1 |
| 622 | 1 | 2155 | 1 | 3688 | 0 | 5221 | 1 | 6754 | 1 | 8287 | 1 |
| 623 | 1 | 2156 | 0 | 3689 | 1 | 5222 | 1 | 6755 | 0 | 8288 | 0 |
| 624 | 1 | 2157 | 1 | 3690 | 0 | 5223 | 0 | 6756 | 1 | 8289 | 0 |
| 625 | 1 | 2158 | 1 | 3691 | 0 | 5224 | 1 | 6757 | 0 | 8290 | 1 |
| 626 | 1 | 2159 | 1 | 3692 | 1 | 5225 | 1 | 6758 | 1 | 8291 | 0 |
| 627 | 1 | 2160 | 1 | 3693 | 0 | 5226 | 1 | 6759 | 1 | 8292 | 1 |
| 628 | 0 | 2161 | 1 | 3694 | 0 | 5227 | 0 | 6760 | 1 | 8293 | 1 |
| 629 | 1 | 2162 | 0 | 3695 | 1 | 5228 | 1 | 6761 | 1 | 8294 | 0 |
| 630 | 1 | 2163 | 0 | 3696 | 1 | 5229 | 0 | 6762 | 1 | 8295 | 1 |
| 631 | 1 | 2164 | 0 | 3697 | 1 | 5230 | 0 | 6763 | 1 | 8296 | 1 |
| 632 | 1 | 2165 | 1 | 3698 | 0 | 5231 | 1 | 6764 | 1 | 8297 | 1 |
| 633 | 1 | 2166 | 1 | 3699 | 0 | 5232 | 1 | 6765 | 0 | 8298 | 1 |
| 634 | 0 | 2167 | 1 | 3700 | 1 | 5233 | 0 | 6766 | 0 | 8299 | 0 |
| 635 | 1 | 2168 | 0 | 3701 | 1 | 5234 | 1 | 6767 | 0 | 8300 | 0 |
| 636 | 1 | 2169 | 1 | 3702 | 0 | 5235 | 1 | 6768 | 1 | 8301 | 1 |
| 637 | 0 | 2170 | 0 | 3703 | 1 | 5236 | 1 | 6769 | 0 | 8302 | 1 |
| 638 | 1 | 2171 | 1 | 3704 | 0 | 5237 | 1 | 6770 | 0 | 8303 | 1 |
| 639 | 0 | 2172 | 0 | 3705 | 1 | 5238 | 1 | 6771 | 1 | 8304 | 0 |
| 640 | 0 | 2173 | 0 | 3706 | 1 | 5239 | 0 | 6772 | 0 | 8305 | 0 |
| 641 | 0 | 2174 | 0 | 3707 | 1 | 5240 | 0 | 6773 | 0 | 8306 | 0 |
| 642 | 0 | 2175 | 1 | 3708 | 0 | 5241 | 0 | 6774 | 1 | 8307 | 1 |
| 643 | 1 | 2176 | 1 | 3709 | 1 | 5242 | 1 | 6775 | 0 | 8308 | 0 |
| 644 | 0 | 2177 | 1 | 3710 | 0 | 5243 | 1 | 6776 | 1 | 8309 | 1 |
| 645 | 1 | 2178 | 1 | 3711 | 0 | 5244 | 1 | 6777 | 0 | 8310 | 1 |
| 646 | 1 | 2179 | 1 | 3712 | 0 | 5245 | 1 | 6778 | 1 | 8311 | 0 |
| 647 | 1 | 2180 | 1 | 3713 | 1 | 5246 | 1 | 6779 | 0 | 8312 | 0 |
| 648 | 0 | 2181 | 1 | 3714 | 1 | 5247 | 0 | 6780 | 0 | 8313 | 0 |
| 649 | 1 | 2182 | 1 | 3715 | 0 | 5248 | 0 | 6781 | 1 | 8314 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 650 | 0 | 2183 | 1 | 3716 | 1 | 5249 | 1 | 6782 | 0 | 8315 | 1 |
| 651 | 0 | 2184 | 0 | 3717 | 0 | 5250 | 0 | 6783 | 1 | 8316 | 1 |
| 652 | 1 | 2185 | 0 | 3718 | 0 | 5251 | 0 | 6784 | 0 | 8317 | 0 |
| 653 | 1 | 2186 | 0 | 3719 | 0 | 5252 | 1 | 6785 | 1 | 8318 | 1 |
| 654 | 1 | 2187 | 1 | 3720 | 1 | 5253 | 0 | 6786 | 1 | 8319 | 0 |
| 655 | 0 | 2188 | 1 | 3721 | 0 | 5254 | 1 | 6787 | 1 | 8320 | 0 |
| 656 | 0 | 2189 | 1 | 3722 | 0 | 5255 | 1 | 6788 | 0 | 8321 | 1 |
| 657 | 0 | 2190 | 0 | 3723 | 1 | 5256 | 0 | 6789 | 1 | 8322 | 0 |
| 658 | 1 | 2191 | 0 | 3724 | 1 | 5257 | 0 | 6790 | 1 | 8323 | 0 |
| 659 | 0 | 2192 | 0 | 3725 | 0 | 5258 | 1 | 6791 | 0 | 8324 | 1 |
| 660 | 1 | 2193 | 1 | 3726 | 0 | 5259 | 1 | 6792 | 1 | 8325 | 0 |
| 661 | 0 | 2194 | 1 | 3727 | 0 | 5260 | 0 | 6793 | 0 | 8326 | 0 |
| 662 | 0 | 2195 | 1 | 3728 | 0 | 5261 | 0 | 6794 | 0 | 8327 | 1 |
| 663 | 1 | 2196 | 0 | 3729 | 0 | 5262 | 1 | 6795 | 0 | 8328 | 0 |
| 664 | 0 | 2197 | 0 | 3730 | 1 | 5263 | 0 | 6796 | 0 | 8329 | 1 |
| 665 | 1 | 2198 | 1 | 3731 | 0 | 5264 | 0 | 6797 | 0 | 8330 | 1 |
| 666 | 0 | 2199 | 1 | 3732 | 1 | 5265 | 0 | 6798 | 1 | 8331 | 0 |
| 667 | 1 | 2200 | 0 | 3733 | 0 | 5266 | 1 | 6799 | 1 | 8332 | 1 |
| 668 | 0 | 2201 | 1 | 3734 | 1 | 5267 | 0 | 6800 | 0 | 8333 | 1 |
| 669 | 1 | 2202 | 0 | 3735 | 0 | 5268 | 1 | 6801 | 1 | 8334 | 0 |
| 670 | 1 | 2203 | 1 | 3736 | 1 | 5269 | 0 | 6802 | 0 | 8335 | 1 |
| 671 | 1 | 2204 | 0 | 3737 | 0 | 5270 | 1 | 6803 | 0 | 8336 | 0 |
| 672 | 0 | 2205 | 0 | 3738 | 0 | 5271 | 0 | 6804 | 0 | 8337 | 0 |
| 673 | 1 | 2206 | 1 | 3739 | 1 | 5272 | 0 | 6805 | 1 | 8338 | 1 |
| 674 | 0 | 2207 | 0 | 3740 | 1 | 5273 | 0 | 6806 | 0 | 8339 | 0 |
| 675 | 0 | 2208 | 0 | 3741 | 1 | 5274 | 0 | 6807 | 1 | 8340 | 0 |
| 676 | 0 | 2209 | 0 | 3742 | 1 | 5275 | 0 | 6808 | 0 | 8341 | 1 |
| 677 | 1 | 2210 | 0 | 3743 | 0 | 5276 | 1 | 6809 | 1 | 8342 | 0 |
| 678 | 1 | 2211 | 1 | 3744 | 1 | 5277 | 1 | 6810 | 0 | 8343 | 1 |
| 679 | 0 | 2212 | 1 | 3745 | 0 | 5278 | 1 | 6811 | 1 | 8344 | 1 |
| 680 | 1 | 2213 | 1 | 3746 | 0 | 5279 | 0 | 6812 | 1 | 8345 | 1 |
| 681 | 0 | 2214 | 1 | 3747 | 0 | 5280 | 0 | 6813 | 1 | 8346 | 0 |
| 682 | 0 | 2215 | 0 | 3748 | 1 | 5281 | 1 | 6814 | 1 | 8347 | 0 |
| 683 | 0 | 2216 | 0 | 3749 | 1 | 5282 | 0 | 6815 | 0 | 8348 | 0 |
| 684 | 1 | 2217 | 0 | 3750 | 0 | 5283 | 1 | 6816 | 0 | 8349 | 0 |
| 685 | 0 | 2218 | 0 | 3751 | 0 | 5284 | 0 | 6817 | 0 | 8350 | 0 |
| 686 | 0 | 2219 | 0 | 3752 | 0 | 5285 | 0 | 6818 | 1 | 8351 | 1 |
| 687 | 1 | 2220 | 1 | 3753 | 1 | 5286 | 1 | 6819 | 0 | 8352 | 0 |
| 688 | 0 | 2221 | 1 | 3754 | 1 | 5287 | 0 | 6820 | 1 | 8353 | 1 |
| 689 | 1 | 2222 | 1 | 3755 | 1 | 5288 | 0 | 6821 | 1 | 8354 | 0 |
| 690 | 0 | 2223 | 1 | 3756 | 0 | 5289 | 0 | 6822 | 0 | 8355 | 0 |
| 691 | 1 | 2224 | 1 | 3757 | 1 | 5290 | 1 | 6823 | 0 | 8356 | 1 |
| 692 | 0 | 2225 | 0 | 3758 | 1 | 5291 | 1 | 6824 | 0 | 8357 | 1 |
| 693 | 0 | 2226 | 0 | 3759 | 0 | 5292 | 1 | 6825 | 1 | 8358 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 694 | 1 | 2227 | 1 | 3760 | 1 | 5293 | 0 | 6826 | 1 | 8359 | 1 |
| 695 | 1 | 2228 | 0 | 3761 | 1 | 5294 | 1 | 6827 | 0 | 8360 | 1 |
| 696 | 1 | 2229 | 0 | 3762 | 0 | 5295 | 1 | 6828 | 1 | 8361 | 0 |
| 697 | 1 | 2230 | 0 | 3763 | 0 | 5296 | 0 | 6829 | 1 | 8362 | 1 |
| 698 | 1 | 2231 | 1 | 3764 | 1 | 5297 | 0 | 6830 | 0 | 8363 | 0 |
| 699 | 1 | 2232 | 0 | 3765 | 0 | 5298 | 1 | 6831 | 0 | 8364 | 1 |
| 700 | 1 | 2233 | 1 | 3766 | 0 | 5299 | 1 | 6832 | 0 | 8365 | 0 |
| 701 | 0 | 2234 | 1 | 3767 | 1 | 5300 | 1 | 6833 | 0 | 8366 | 1 |
| 702 | 0 | 2235 | 0 | 3768 | 0 | 5301 | 1 | 6834 | 1 | 8367 | 1 |
| 703 | 1 | 2236 | 1 | 3769 | 0 | 5302 | 1 | 6835 | 0 | 8368 | 1 |
| 704 | 0 | 2237 | 0 | 3770 | 0 | 5303 | 0 | 6836 | 0 | 8369 | 0 |
| 705 | 1 | 2238 | 0 | 3771 | 1 | 5304 | 1 | 6837 | 0 | 8370 | 1 |
| 706 | 1 | 2239 | 0 | 3772 | 1 | 5305 | 0 | 6838 | 1 | 8371 | 1 |
| 707 | 1 | 2240 | 1 | 3773 | 1 | 5306 | 0 | 6839 | 0 | 8372 | 0 |
| 708 | 1 | 2241 | 0 | 3774 | 1 | 5307 | 0 | 6840 | 1 | 8373 | 0 |
| 709 | 0 | 2242 | 1 | 3775 | 1 | 5308 | 0 | 6841 | 1 | 8374 | 0 |
| 710 | 0 | 2243 | 1 | 3776 | 1 | 5309 | 0 | 6842 | 1 | 8375 | 1 |
| 711 | 0 | 2244 | 1 | 3777 | 1 | 5310 | 1 | 6843 | 1 | 8376 | 0 |
| 712 | 1 | 2245 | 0 | 3778 | 0 | 5311 | 1 | 6844 | 0 | 8377 | 1 |
| 713 | 1 | 2246 | 0 | 3779 | 0 | 5312 | 0 | 6845 | 1 | 8378 | 0 |
| 714 | 0 | 2247 | 1 | 3780 | 1 | 5313 | 1 | 6846 | 1 | 8379 | 1 |
| 715 | 0 | 2248 | 0 | 3781 | 1 | 5314 | 0 | 6847 | 0 | 8380 | 0 |
| 716 | 1 | 2249 | 0 | 3782 | 0 | 5315 | 0 | 6848 | 0 | 8381 | 0 |
| 717 | 1 | 2250 | 1 | 3783 | 0 | 5316 | 1 | 6849 | 0 | 8382 | 0 |
| 718 | 1 | 2251 | 0 | 3784 | 1 | 5317 | 0 | 6850 | 0 | 8383 | 1 |
| 719 | 0 | 2252 | 0 | 3785 | 1 | 5318 | 1 | 6851 | 0 | 8384 | 0 |
| 720 | 1 | 2253 | 0 | 3786 | 1 | 5319 | 1 | 6852 | 1 | 8385 | 1 |
| 721 | 0 | 2254 | 0 | 3787 | 1 | 5320 | 1 | 6853 | 0 | 8386 | 0 |
| 722 | 1 | 2255 | 0 | 3788 | 1 | 5321 | 0 | 6854 | 1 | 8387 | 0 |
| 723 | 0 | 2256 | 0 | 3789 | 1 | 5322 | 1 | 6855 | 0 | 8388 | 1 |
| 724 | 1 | 2257 | 0 | 3790 | 0 | 5323 | 1 | 6856 | 1 | 8389 | 0 |
| 725 | 0 | 2258 | 1 | 3791 | 1 | 5324 | 0 | 6857 | 1 | 8390 | 1 |
| 726 | 0 | 2259 | 1 | 3792 | 0 | 5325 | 0 | 6858 | 1 | 8391 | 1 |
| 727 | 1 | 2260 | 0 | 3793 | 1 | 5326 | 0 | 6859 | 1 | 8392 | 0 |
| 728 | 0 | 2261 | 0 | 3794 | 0 | 5327 | 1 | 6860 | 0 | 8393 | 0 |
| 729 | 1 | 2262 | 1 | 3795 | 1 | 5328 | 0 | 6861 | 0 | 8394 | 1 |
| 730 | 0 | 2263 | 0 | 3796 | 0 | 5329 | 1 | 6862 | 0 | 8395 | 1 |
| 731 | 0 | 2264 | 0 | 3797 | 0 | 5330 | 1 | 6863 | 1 | 8396 | 0 |
| 732 | 0 | 2265 | 1 | 3798 | 0 | 5331 | 1 | 6864 | 1 | 8397 | 0 |
| 733 | 0 | 2266 | 0 | 3799 | 0 | 5332 | 0 | 6865 | 0 | 8398 | 0 |
| 734 | 1 | 2267 | 1 | 3800 | 1 | 5333 | 0 | 6866 | 1 | 8399 | 0 |
| 735 | 0 | 2268 | 0 | 3801 | 0 | 5334 | 1 | 6867 | 0 | 8400 | 0 |
| 736 | 0 | 2269 | 1 | 3802 | 1 | 5335 | 1 | 6868 | 1 | 8401 | 0 |
| 737 | 1 | 2270 | 0 | 3803 | 0 | 5336 | 0 | 6869 | 1 | 8402 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 738 | 1 | 2271 | 0 | 3804 | 0 | 5337 | 0 | 6870 | 0 | 8403 | 0 |
| 739 | 1 | 2272 | 1 | 3805 | 1 | 5338 | 0 | 6871 | 0 | 8404 | 1 |
| 740 | 0 | 2273 | 0 | 3806 | 0 | 5339 | 0 | 6872 | 1 | 8405 | 0 |
| 741 | 1 | 2274 | 1 | 3807 | 0 | 5340 | 0 | 6873 | 1 | 8406 | 0 |
| 742 | 1 | 2275 | 0 | 3808 | 1 | 5341 | 1 | 6874 | 1 | 8407 | 0 |
| 743 | 0 | 2276 | 1 | 3809 | 0 | 5342 | 0 | 6875 | 1 | 8408 | 1 |
| 744 | 0 | 2277 | 1 | 3810 | 0 | 5343 | 0 | 6876 | 0 | 8409 | 0 |
| 745 | 1 | 2278 | 1 | 3811 | 0 | 5344 | 1 | 6877 | 1 | 8410 | 1 |
| 746 | 0 | 2279 | 1 | 3812 | 0 | 5345 | 0 | 6878 | 1 | 8411 | 0 |
| 747 | 0 | 2280 | 1 | 3813 | 0 | 5346 | 0 | 6879 | 0 | 8412 | 1 |
| 748 | 0 | 2281 | 1 | 3814 | 1 | 5347 | 1 | 6880 | 1 | 8413 | 1 |
| 749 | 0 | 2282 | 0 | 3815 | 1 | 5348 | 1 | 6881 | 0 | 8414 | 1 |
| 750 | 1 | 2283 | 1 | 3816 | 1 | 5349 | 0 | 6882 | 0 | 8415 | 1 |
| 751 | 1 | 2284 | 0 | 3817 | 0 | 5350 | 1 | 6883 | 0 | 8416 | 0 |
| 752 | 0 | 2285 | 1 | 3818 | 0 | 5351 | 0 | 6884 | 0 | 8417 | 0 |
| 753 | 1 | 2286 | 0 | 3819 | 1 | 5352 | 0 | 6885 | 0 | 8418 | 1 |
| 754 | 0 | 2287 | 0 | 3820 | 0 | 5353 | 1 | 6886 | 0 | 8419 | 0 |
| 755 | 0 | 2288 | 1 | 3821 | 0 | 5354 | 0 | 6887 | 1 | 8420 | 1 |
| 756 | 0 | 2289 | 0 | 3822 | 0 | 5355 | 0 | 6888 | 1 | 8421 | 1 |
| 757 | 1 | 2290 | 0 | 3823 | 1 | 5356 | 1 | 6889 | 0 | 8422 | 0 |
| 758 | 1 | 2291 | 0 | 3824 | 0 | 5357 | 1 | 6890 | 0 | 8423 | 0 |
| 759 | 0 | 2292 | 1 | 3825 | 0 | 5358 | 1 | 6891 | 0 | 8424 | 1 |
| 760 | 1 | 2293 | 1 | 3826 | 0 | 5359 | 1 | 6892 | 1 | 8425 | 0 |
| 761 | 0 | 2294 | 0 | 3827 | 1 | 5360 | 0 | 6893 | 1 | 8426 | 0 |
| 762 | 0 | 2295 | 1 | 3828 | 0 | 5361 | 0 | 6894 | 1 | 8427 | 1 |
| 763 | 1 | 2296 | 1 | 3829 | 0 | 5362 | 1 | 6895 | 1 | 8428 | 0 |
| 764 | 0 | 2297 | 1 | 3830 | 1 | 5363 | 1 | 6896 | 1 | 8429 | 1 |
| 765 | 0 | 2298 | 1 | 3831 | 1 | 5364 | 0 | 6897 | 1 | 8430 | 0 |
| 766 | 0 | 2299 | 1 | 3832 | 0 | 5365 | 0 | 6898 | 1 | 8431 | 1 |
| 767 | 1 | 2300 | 1 | 3833 | 1 | 5366 | 0 | 6899 | 0 | 8432 | 0 |
| 768 | 1 | 2301 | 0 | 3834 | 1 | 5367 | 1 | 6900 | 1 | 8433 | 0 |
| 769 | 0 | 2302 | 1 | 3835 | 0 | 5368 | 0 | 6901 | 0 | 8434 | 0 |
| 770 | 0 | 2303 | 1 | 3836 | 1 | 5369 | 1 | 6902 | 0 | 8435 | 1 |
| 771 | 1 | 2304 | 1 | 3837 | 1 | 5370 | 0 | 6903 | 1 | 8436 | 1 |
| 772 | 0 | 2305 | 1 | 3838 | 0 | 5371 | 1 | 6904 | 1 | 8437 | 1 |
| 773 | 0 | 2306 | 0 | 3839 | 1 | 5372 | 0 | 6905 | 1 | 8438 | 1 |
| 774 | 0 | 2307 | 0 | 3840 | 1 | 5373 | 0 | 6906 | 0 | 8439 | 0 |
| 775 | 0 | 2308 | 1 | 3841 | 0 | 5374 | 1 | 6907 | 0 | 8440 | 0 |
| 776 | 0 | 2309 | 0 | 3842 | 0 | 5375 | 1 | 6908 | 1 | 8441 | 1 |
| 777 | 1 | 2310 | 0 | 3843 | 0 | 5376 | 0 | 6909 | 1 | 8442 | 0 |
| 778 | 0 | 2311 | 1 | 3844 | 1 | 5377 | 0 | 6910 | 1 | 8443 | 0 |
| 779 | 1 | 2312 | 1 | 3845 | 0 | 5378 | 0 | 6911 | 1 | 8444 | 0 |
| 780 | 0 | 2313 | 0 | 3846 | 1 | 5379 | 0 | 6912 | 1 | 8445 | 1 |
| 781 | 0 | 2314 | 0 | 3847 | 0 | 5380 | 0 | 6913 | 1 | 8446 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 782 | 0 | 2315 | 0 | 3848 | 0 | 5381 | 0 | 6914 | 1 | 8447 | 0 |
| 783 | 0 | 2316 | 1 | 3849 | 1 | 5382 | 0 | 6915 | 1 | 8448 | 0 |
| 784 | 0 | 2317 | 1 | 3850 | 1 | 5383 | 1 | 6916 | 1 | 8449 | 0 |
| 785 | 1 | 2318 | 1 | 3851 | 1 | 5384 | 0 | 6917 | 1 | 8450 | 1 |
| 786 | 0 | 2319 | 1 | 3852 | 1 | 5385 | 0 | 6918 | 0 | 8451 | 0 |
| 787 | 1 | 2320 | 0 | 3853 | 0 | 5386 | 0 | 6919 | 1 | 8452 | 0 |
| 788 | 1 | 2321 | 1 | 3854 | 0 | 5387 | 1 | 6920 | 1 | 8453 | 0 |
| 789 | 1 | 2322 | 0 | 3855 | 1 | 5388 | 0 | 6921 | 1 | 8454 | 0 |
| 790 | 1 | 2323 | 0 | 3856 | 1 | 5389 | 0 | 6922 | 0 | 8455 | 1 |
| 791 | 0 | 2324 | 1 | 3857 | 0 | 5390 | 0 | 6923 | 0 | 8456 | 0 |
| 792 | 1 | 2325 | 1 | 3858 | 1 | 5391 | 1 | 6924 | 1 | 8457 | 1 |
| 793 | 0 | 2326 | 1 | 3859 | 1 | 5392 | 1 | 6925 | 0 | 8458 | 0 |
| 794 | 1 | 2327 | 0 | 3860 | 0 | 5393 | 1 | 6926 | 0 | 8459 | 0 |
| 795 | 1 | 2328 | 0 | 3861 | 1 | 5394 | 1 | 6927 | 0 | 8460 | 1 |
| 796 | 0 | 2329 | 0 | 3862 | 0 | 5395 | 1 | 6928 | 0 | 8461 | 1 |
| 797 | 0 | 2330 | 1 | 3863 | 1 | 5396 | 1 | 6929 | 0 | 8462 | 1 |
| 798 | 0 | 2331 | 1 | 3864 | 0 | 5397 | 1 | 6930 | 0 | 8463 | 0 |
| 799 | 0 | 2332 | 0 | 3865 | 0 | 5398 | 1 | 6931 | 0 | 8464 | 0 |
| 800 | 1 | 2333 | 0 | 3866 | 1 | 5399 | 1 | 6932 | 1 | 8465 | 1 |
| 801 | 1 | 2334 | 1 | 3867 | 0 | 5400 | 0 | 6933 | 1 | 8466 | 0 |
| 802 | 0 | 2335 | 1 | 3868 | 0 | 5401 | 1 | 6934 | 0 | 8467 | 0 |
| 803 | 1 | 2336 | 0 | 3869 | 0 | 5402 | 1 | 6935 | 1 | 8468 | 0 |
| 804 | 0 | 2337 | 1 | 3870 | 1 | 5403 | 1 | 6936 | 1 | 8469 | 0 |
| 805 | 1 | 2338 | 1 | 3871 | 0 | 5404 | 1 | 6937 | 0 | 8470 | 1 |
| 806 | 1 | 2339 | 1 | 3872 | 0 | 5405 | 0 | 6938 | 1 | 8471 | 1 |
| 807 | 0 | 2340 | 0 | 3873 | 0 | 5406 | 0 | 6939 | 1 | 8472 | 0 |
| 808 | 0 | 2341 | 0 | 3874 | 0 | 5407 | 0 | 6940 | 1 | 8473 | 1 |
| 809 | 0 | 2342 | 1 | 3875 | 0 | 5408 | 1 | 6941 | 0 | 8474 | 0 |
| 810 | 0 | 2343 | 0 | 3876 | 1 | 5409 | 1 | 6942 | 1 | 8475 | 1 |
| 811 | 0 | 2344 | 0 | 3877 | 1 | 5410 | 0 | 6943 | 0 | 8476 | 1 |
| 812 | 1 | 2345 | 1 | 3878 | 0 | 5411 | 1 | 6944 | 1 | 8477 | 0 |
| 813 | 1 | 2346 | 0 | 3879 | 0 | 5412 | 1 | 6945 | 1 | 8478 | 0 |
| 814 | 0 | 2347 | 0 | 3880 | 0 | 5413 | 1 | 6946 | 1 | 8479 | 1 |
| 815 | 1 | 2348 | 0 | 3881 | 0 | 5414 | 0 | 6947 | 1 | 8480 | 1 |
| 816 | 1 | 2349 | 1 | 3882 | 0 | 5415 | 1 | 6948 | 0 | 8481 | 1 |
| 817 | 0 | 2350 | 1 | 3883 | 1 | 5416 | 0 | 6949 | 0 | 8482 | 1 |
| 818 | 1 | 2351 | 1 | 3884 | 0 | 5417 | 0 | 6950 | 0 | 8483 | 0 |
| 819 | 0 | 2352 | 1 | 3885 | 0 | 5418 | 1 | 6951 | 1 | 8484 | 1 |
| 820 | 0 | 2353 | 1 | 3886 | 0 | 5419 | 0 | 6952 | 0 | 8485 | 0 |
| 821 | 1 | 2354 | 1 | 3887 | 0 | 5420 | 0 | 6953 | 0 | 8486 | 1 |
| 822 | 1 | 2355 | 1 | 3888 | 1 | 5421 | 0 | 6954 | 0 | 8487 | 0 |
| 823 | 1 | 2356 | 1 | 3889 | 1 | 5422 | 1 | 6955 | 0 | 8488 | 0 |
| 824 | 1 | 2357 | 0 | 3890 | 0 | 5423 | 0 | 6956 | 0 | 8489 | 1 |
| 825 | 1 | 2358 | 1 | 3891 | 1 | 5424 | 0 | 6957 | 0 | 8490 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 826 | 0 | 2359 | 1 | 3892 | 0 | 5425 | 1 | 6958 | 1 | 8491 | 1 |
| 827 | 0 | 2360 | 1 | 3893 | 0 | 5426 | 1 | 6959 | 1 | 8492 | 0 |
| 828 | 0 | 2361 | 1 | 3894 | 1 | 5427 | 1 | 6960 | 0 | 8493 | 1 |
| 829 | 0 | 2362 | 1 | 3895 | 0 | 5428 | 1 | 6961 | 1 | 8494 | 0 |
| 830 | 1 | 2363 | 0 | 3896 | 1 | 5429 | 0 | 6962 | 0 | 8495 | 0 |
| 831 | 0 | 2364 | 1 | 3897 | 1 | 5430 | 1 | 6963 | 0 | 8496 | 1 |
| 832 | 0 | 2365 | 0 | 3898 | 0 | 5431 | 1 | 6964 | 0 | 8497 | 0 |
| 833 | 0 | 2366 | 1 | 3899 | 1 | 5432 | 0 | 6965 | 1 | 8498 | 1 |
| 834 | 1 | 2367 | 1 | 3900 | 0 | 5433 | 0 | 6966 | 0 | 8499 | 1 |
| 835 | 1 | 2368 | 1 | 3901 | 0 | 5434 | 1 | 6967 | 1 | 8500 | 1 |
| 836 | 0 | 2369 | 0 | 3902 | 1 | 5435 | 0 | 6968 | 1 | 8501 | 0 |
| 837 | 1 | 2370 | 0 | 3903 | 0 | 5436 | 0 | 6969 | 0 | 8502 | 0 |
| 838 | 1 | 2371 | 0 | 3904 | 0 | 5437 | 0 | 6970 | 0 | 8503 | 1 |
| 839 | 1 | 2372 | 0 | 3905 | 0 | 5438 | 1 | 6971 | 1 | 8504 | 1 |
| 840 | 0 | 2373 | 0 | 3906 | 1 | 5439 | 1 | 6972 | 1 | 8505 | 1 |
| 841 | 0 | 2374 | 1 | 3907 | 1 | 5440 | 1 | 6973 | 1 | 8506 | 1 |
| 842 | 1 | 2375 | 0 | 3908 | 0 | 5441 | 1 | 6974 | 0 | 8507 | 0 |
| 843 | 1 | 2376 | 0 | 3909 | 0 | 5442 | 1 | 6975 | 1 | 8508 | 0 |
| 844 | 1 | 2377 | 0 | 3910 | 1 | 5443 | 1 | 6976 | 1 | 8509 | 1 |
| 845 | 1 | 2378 | 1 | 3911 | 0 | 5444 | 0 | 6977 | 0 | 8510 | 0 |
| 846 | 1 | 2379 | 0 | 3912 | 0 | 5445 | 0 | 6978 | 0 | 8511 | 1 |
| 847 | 0 | 2380 | 1 | 3913 | 0 | 5446 | 0 | 6979 | 0 | 8512 | 0 |
| 848 | 1 | 2381 | 0 | 3914 | 1 | 5447 | 1 | 6980 | 1 | 8513 | 0 |
| 849 | 0 | 2382 | 0 | 3915 | 0 | 5448 | 0 | 6981 | 1 | 8514 | 0 |
| 850 | 1 | 2383 | 0 | 3916 | 1 | 5449 | 1 | 6982 | 1 | 8515 | 0 |
| 851 | 0 | 2384 | 1 | 3917 | 1 | 5450 | 0 | 6983 | 0 | 8516 | 0 |
| 852 | 1 | 2385 | 1 | 3918 | 1 | 5451 | 1 | 6984 | 0 | 8517 | 1 |
| 853 | 1 | 2386 | 1 | 3919 | 0 | 5452 | 0 | 6985 | 1 | 8518 | 1 |
| 854 | 1 | 2387 | 1 | 3920 | 1 | 5453 | 1 | 6986 | 1 | 8519 | 1 |
| 855 | 0 | 2388 | 0 | 3921 | 0 | 5454 | 1 | 6987 | 1 | 8520 | 0 |
| 856 | 1 | 2389 | 0 | 3922 | 1 | 5455 | 1 | 6988 | 1 | 8521 | 1 |
| 857 | 0 | 2390 | 0 | 3923 | 1 | 5456 | 0 | 6989 | 0 | 8522 | 0 |
| 858 | 0 | 2391 | 1 | 3924 | 1 | 5457 | 0 | 6990 | 0 | 8523 | 1 |
| 859 | 1 | 2392 | 0 | 3925 | 0 | 5458 | 0 | 6991 | 1 | 8524 | 1 |
| 860 | 0 | 2393 | 0 | 3926 | 0 | 5459 | 0 | 6992 | 0 | 8525 | 1 |
| 861 | 1 | 2394 | 1 | 3927 | 1 | 5460 | 0 | 6993 | 0 | 8526 | 0 |
| 862 | 0 | 2395 | 0 | 3928 | 1 | 5461 | 0 | 6994 | 0 | 8527 | 0 |
| 863 | 0 | 2396 | 0 | 3929 | 0 | 5462 | 0 | 6995 | 1 | 8528 | 0 |
| 864 | 0 | 2397 | 1 | 3930 | 0 | 5463 | 0 | 6996 | 1 | 8529 | 1 |
| 865 | 0 | 2398 | 0 | 3931 | 1 | 5464 | 0 | 6997 | 0 | 8530 | 0 |
| 866 | 0 | 2399 | 1 | 3932 | 0 | 5465 | 1 | 6998 | 1 | 8531 | 0 |
| 867 | 0 | 2400 | 1 | 3933 | 1 | 5466 | 1 | 6999 | 0 | 8532 | 1 |
| 868 | 1 | 2401 | 0 | 3934 | 0 | 5467 | 0 | 7000 | 0 | 8533 | 1 |
| 869 | 0 | 2402 | 1 | 3935 | 0 | 5468 | 1 | 7001 | 1 | 8534 | 1 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 870 | 1 | 2403 | 0 | 3936 | 1 | 5469 | 0 | 7002 | 0 | 8535 | 1 |
| 871 | 1 | 2404 | 1 | 3937 | 0 | 5470 | 0 | 7003 | 0 | 8536 | 0 |
| 872 | 0 | 2405 | 1 | 3938 | 0 | 5471 | 0 | 7004 | 1 | 8537 | 0 |
| 873 | 0 | 2406 | 1 | 3939 | 0 | 5472 | 1 | 7005 | 1 | 8538 | 1 |
| 874 | 0 | 2407 | 1 | 3940 | 0 | 5473 | 0 | 7006 | 1 | 8539 | 1 |
| 875 | 0 | 2408 | 1 | 3941 | 1 | 5474 | 1 | 7007 | 0 | 8540 | 0 |
| 876 | 1 | 2409 | 0 | 3942 | 0 | 5475 | 0 | 7008 | 1 | 8541 | 0 |
| 877 | 1 | 2410 | 1 | 3943 | 1 | 5476 | 1 | 7009 | 0 | 8542 | 0 |
| 878 | 0 | 2411 | 1 | 3944 | 0 | 5477 | 1 | 7010 | 0 | 8543 | 0 |
| 879 | 0 | 2412 | 0 | 3945 | 0 | 5478 | 1 | 7011 | 1 | 8544 | 1 |
| 880 | 0 | 2413 | 0 | 3946 | 0 | 5479 | 0 | 7012 | 1 | 8545 | 1 |
| 881 | 1 | 2414 | 1 | 3947 | 1 | 5480 | 1 | 7013 | 0 | 8546 | 1 |
| 882 | 0 | 2415 | 1 | 3948 | 1 | 5481 | 1 | 7014 | 1 | 8547 | 1 |
| 883 | 1 | 2416 | 1 | 3949 | 1 | 5482 | 0 | 7015 | 1 | 8548 | 1 |
| 884 | 0 | 2417 | 1 | 3950 | 1 | 5483 | 1 | 7016 | 0 | 8549 | 1 |
| 885 | 0 | 2418 | 0 | 3951 | 1 | 5484 | 0 | 7017 | 0 | 8550 | 1 |
| 886 | 1 | 2419 | 1 | 3952 | 0 | 5485 | 0 | 7018 | 0 | 8551 | 1 |
| 887 | 0 | 2420 | 0 | 3953 | 0 | 5486 | 0 | 7019 | 1 | 8552 | 0 |
| 888 | 1 | 2421 | 1 | 3954 | 0 | 5487 | 1 | 7020 | 1 | 8553 | 0 |
| 889 | 1 | 2422 | 0 | 3955 | 1 | 5488 | 0 | 7021 | 1 | 8554 | 1 |
| 890 | 0 | 2423 | 1 | 3956 | 0 | 5489 | 0 | 7022 | 1 | 8555 | 1 |
| 891 | 1 | 2424 | 1 | 3957 | 0 | 5490 | 1 | 7023 | 0 | 8556 | 0 |
| 892 | 0 | 2425 | 1 | 3958 | 1 | 5491 | 1 | 7024 | 1 | 8557 | 0 |
| 893 | 0 | 2426 | 0 | 3959 | 1 | 5492 | 1 | 7025 | 1 | 8558 | 0 |
| 894 | 0 | 2427 | 0 | 3960 | 0 | 5493 | 1 | 7026 | 1 | 8559 | 1 |
| 895 | 1 | 2428 | 0 | 3961 | 1 | 5494 | 0 | 7027 | 1 | 8560 | 0 |
| 896 | 1 | 2429 | 1 | 3962 | 0 | 5495 | 0 | 7028 | 0 | 8561 | 1 |
| 897 | 0 | 2430 | 1 | 3963 | 0 | 5496 | 1 | 7029 | 0 | 8562 | 0 |
| 898 | 0 | 2431 | 0 | 3964 | 1 | 5497 | 1 | 7030 | 0 | 8563 | 1 |
| 899 | 1 | 2432 | 0 | 3965 | 0 | 5498 | 1 | 7031 | 0 | 8564 | 1 |
| 900 | 1 | 2433 | 1 | 3966 | 1 | 5499 | 1 | 7032 | 1 | 8565 | 1 |
| 901 | 0 | 2434 | 0 | 3967 | 1 | 5500 | 0 | 7033 | 0 | 8566 | 1 |
| 902 | 1 | 2435 | 0 | 3968 | 1 | 5501 | 1 | 7034 | 1 | 8567 | 1 |
| 903 | 0 | 2436 | 0 | 3969 | 0 | 5502 | 1 | 7035 | 1 | 8568 | 1 |
| 904 | 0 | 2437 | 0 | 3970 | 1 | 5503 | 0 | 7036 | 0 | 8569 | 0 |
| 905 | 0 | 2438 | 1 | 3971 | 1 | 5504 | 0 | 7037 | 0 | 8570 | 0 |
| 906 | 0 | 2439 | 1 | 3972 | 1 | 5505 | 0 | 7038 | 0 | 8571 | 0 |
| 907 | 1 | 2440 | 0 | 3973 | 0 | 5506 | 0 | 7039 | 0 | 8572 | 0 |
| 908 | 1 | 2441 | 0 | 3974 | 0 | 5507 | 1 | 7040 | 0 | 8573 | 1 |
| 909 | 1 | 2442 | 0 | 3975 | 1 | 5508 | 1 | 7041 | 0 | 8574 | 0 |
| 910 | 0 | 2443 | 1 | 3976 | 0 | 5509 | 0 | 7042 | 0 | 8575 | 0 |
| 911 | 0 | 2444 | 0 | 3977 | 1 | 5510 | 1 | 7043 | 1 | 8576 | 1 |
| 912 | 0 | 2445 | 0 | 3978 | 1 | 5511 | 0 | 7044 | 0 | 8577 | 1 |
| 913 | 1 | 2446 | 1 | 3979 | 0 | 5512 | 0 | 7045 | 1 | 8578 | 0 |

|     |   |      |   |      |   |      |   |      |   |      |   |
|-----|---|------|---|------|---|------|---|------|---|------|---|
| 914 | 0 | 2447 | 0 | 3980 | 1 | 5513 | 0 | 7046 | 1 | 8579 | 0 |
| 915 | 1 | 2448 | 1 | 3981 | 0 | 5514 | 0 | 7047 | 1 | 8580 | 0 |
| 916 | 0 | 2449 | 0 | 3982 | 1 | 5515 | 0 | 7048 | 0 | 8581 | 0 |
| 917 | 0 | 2450 | 1 | 3983 | 1 | 5516 | 0 | 7049 | 1 | 8582 | 1 |
| 918 | 0 | 2451 | 0 | 3984 | 1 | 5517 | 0 | 7050 | 1 | 8583 | 1 |
| 919 | 1 | 2452 | 0 | 3985 | 0 | 5518 | 0 | 7051 | 1 | 8584 | 0 |
| 920 | 1 | 2453 | 0 | 3986 | 0 | 5519 | 0 | 7052 | 1 | 8585 | 0 |
| 921 | 1 | 2454 | 1 | 3987 | 1 | 5520 | 0 | 7053 | 0 | 8586 | 1 |
| 922 | 1 | 2455 | 0 | 3988 | 1 | 5521 | 0 | 7054 | 1 | 8587 | 1 |
| 923 | 1 | 2456 | 1 | 3989 | 1 | 5522 | 1 | 7055 | 1 | 8588 | 1 |
| 924 | 0 | 2457 | 0 | 3990 | 1 | 5523 | 1 | 7056 | 0 | 8589 | 0 |
| 925 | 0 | 2458 | 1 | 3991 | 0 | 5524 | 1 | 7057 | 1 | 8590 | 0 |
| 926 | 0 | 2459 | 0 | 3992 | 0 | 5525 | 0 | 7058 | 0 | 8591 | 1 |
| 927 | 1 | 2460 | 0 | 3993 | 0 | 5526 | 1 | 7059 | 0 | 8592 | 0 |
| 928 | 1 | 2461 | 0 | 3994 | 1 | 5527 | 0 | 7060 | 0 | 8593 | 1 |
| 929 | 1 | 2462 | 0 | 3995 | 0 | 5528 | 0 | 7061 | 1 | 8594 | 1 |
| 930 | 0 | 2463 | 1 | 3996 | 0 | 5529 | 0 | 7062 | 0 | 8595 | 0 |
| 931 | 1 | 2464 | 0 | 3997 | 0 | 5530 | 1 | 7063 | 1 | 8596 | 0 |
| 932 | 1 | 2465 | 0 | 3998 | 0 | 5531 | 1 | 7064 | 0 | 8597 | 0 |
| 933 | 1 | 2466 | 1 | 3999 | 1 | 5532 | 1 | 7065 | 0 | 8598 | 1 |
| 934 | 0 | 2467 | 1 | 4000 | 0 | 5533 | 1 | 7066 | 0 | 8599 | 1 |
| 935 | 1 | 2468 | 0 | 4001 | 1 | 5534 | 0 | 7067 | 1 | 8600 | 1 |
| 936 | 0 | 2469 | 1 | 4002 | 0 | 5535 | 1 | 7068 | 0 | 8601 | 0 |
| 937 | 1 | 2470 | 1 | 4003 | 0 | 5536 | 0 | 7069 | 0 | 8602 | 0 |
| 938 | 1 | 2471 | 1 | 4004 | 1 | 5537 | 0 | 7070 | 1 | 8603 | 1 |
| 939 | 1 | 2472 | 0 | 4005 | 1 | 5538 | 0 | 7071 | 0 | 8604 | 0 |
| 940 | 1 | 2473 | 1 | 4006 | 1 | 5539 | 0 | 7072 | 0 | 8605 | 0 |
| 941 | 1 | 2474 | 1 | 4007 | 1 | 5540 | 0 | 7073 | 1 | 8606 | 1 |
| 942 | 0 | 2475 | 0 | 4008 | 1 | 5541 | 1 | 7074 | 0 | 8607 | 1 |
| 943 | 1 | 2476 | 0 | 4009 | 0 | 5542 | 1 | 7075 | 0 | 8608 | 1 |
| 944 | 1 | 2477 | 1 | 4010 | 0 | 5543 | 0 | 7076 | 0 | 8609 | 0 |
| 945 | 0 | 2478 | 0 | 4011 | 1 | 5544 | 1 | 7077 | 0 | 8610 | 1 |
| 946 | 0 | 2479 | 1 | 4012 | 0 | 5545 | 0 | 7078 | 0 | 8611 | 1 |
| 947 | 1 | 2480 | 0 | 4013 | 0 | 5546 | 1 | 7079 | 0 | 8612 | 0 |
| 948 | 0 | 2481 | 1 | 4014 | 1 | 5547 | 0 | 7080 | 0 | 8613 | 1 |
| 949 | 0 | 2482 | 1 | 4015 | 1 | 5548 | 0 | 7081 | 1 | 8614 | 0 |
| 950 | 1 | 2483 | 0 | 4016 | 0 | 5549 | 1 | 7082 | 1 | 8615 | 1 |
| 951 | 1 | 2484 | 0 | 4017 | 0 | 5550 | 1 | 7083 | 0 | 8616 | 1 |
| 952 | 0 | 2485 | 0 | 4018 | 1 | 5551 | 0 | 7084 | 1 | 8617 | 0 |
| 953 | 1 | 2486 | 1 | 4019 | 0 | 5552 | 1 | 7085 | 0 | 8618 | 1 |
| 954 | 0 | 2487 | 0 | 4020 | 0 | 5553 | 1 | 7086 | 1 | 8619 | 1 |
| 955 | 0 | 2488 | 0 | 4021 | 1 | 5554 | 1 | 7087 | 0 | 8620 | 0 |
| 956 | 0 | 2489 | 1 | 4022 | 0 | 5555 | 1 | 7088 | 1 | 8621 | 0 |
| 957 | 0 | 2490 | 1 | 4023 | 0 | 5556 | 1 | 7089 | 0 | 8622 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 958  | 1 | 2491 | 1 | 4024 | 1 | 5557 | 1 | 7090 | 0 | 8623 | 1 |
| 959  | 0 | 2492 | 0 | 4025 | 0 | 5558 | 1 | 7091 | 0 | 8624 | 0 |
| 960  | 0 | 2493 | 0 | 4026 | 0 | 5559 | 0 | 7092 | 1 | 8625 | 0 |
| 961  | 1 | 2494 | 1 | 4027 | 0 | 5560 | 0 | 7093 | 1 | 8626 | 0 |
| 962  | 0 | 2495 | 1 | 4028 | 1 | 5561 | 0 | 7094 | 0 | 8627 | 0 |
| 963  | 1 | 2496 | 1 | 4029 | 1 | 5562 | 1 | 7095 | 1 | 8628 | 1 |
| 964  | 0 | 2497 | 0 | 4030 | 1 | 5563 | 1 | 7096 | 1 | 8629 | 1 |
| 965  | 1 | 2498 | 0 | 4031 | 1 | 5564 | 0 | 7097 | 1 | 8630 | 1 |
| 966  | 0 | 2499 | 0 | 4032 | 0 | 5565 | 0 | 7098 | 1 | 8631 | 0 |
| 967  | 1 | 2500 | 1 | 4033 | 0 | 5566 | 0 | 7099 | 0 | 8632 | 0 |
| 968  | 0 | 2501 | 0 | 4034 | 1 | 5567 | 0 | 7100 | 0 | 8633 | 1 |
| 969  | 1 | 2502 | 1 | 4035 | 1 | 5568 | 0 | 7101 | 0 | 8634 | 0 |
| 970  | 0 | 2503 | 1 | 4036 | 0 | 5569 | 0 | 7102 | 0 | 8635 | 0 |
| 971  | 1 | 2504 | 0 | 4037 | 0 | 5570 | 1 | 7103 | 0 | 8636 | 1 |
| 972  | 1 | 2505 | 1 | 4038 | 0 | 5571 | 0 | 7104 | 0 | 8637 | 0 |
| 973  | 1 | 2506 | 1 | 4039 | 1 | 5572 | 0 | 7105 | 1 | 8638 | 0 |
| 974  | 0 | 2507 | 1 | 4040 | 1 | 5573 | 0 | 7106 | 1 | 8639 | 0 |
| 975  | 1 | 2508 | 0 | 4041 | 0 | 5574 | 0 | 7107 | 0 | 8640 | 1 |
| 976  | 1 | 2509 | 0 | 4042 | 0 | 5575 | 1 | 7108 | 0 | 8641 | 1 |
| 977  | 1 | 2510 | 1 | 4043 | 0 | 5576 | 0 | 7109 | 1 | 8642 | 1 |
| 978  | 1 | 2511 | 1 | 4044 | 1 | 5577 | 0 | 7110 | 1 | 8643 | 1 |
| 979  | 1 | 2512 | 1 | 4045 | 0 | 5578 | 0 | 7111 | 0 | 8644 | 0 |
| 980  | 1 | 2513 | 0 | 4046 | 1 | 5579 | 0 | 7112 | 0 | 8645 | 0 |
| 981  | 1 | 2514 | 0 | 4047 | 1 | 5580 | 0 | 7113 | 1 | 8646 | 1 |
| 982  | 1 | 2515 | 1 | 4048 | 1 | 5581 | 0 | 7114 | 0 | 8647 | 1 |
| 983  | 0 | 2516 | 1 | 4049 | 0 | 5582 | 0 | 7115 | 0 | 8648 | 1 |
| 984  | 0 | 2517 | 1 | 4050 | 1 | 5583 | 1 | 7116 | 1 | 8649 | 0 |
| 985  | 1 | 2518 | 0 | 4051 | 1 | 5584 | 1 | 7117 | 0 | 8650 | 0 |
| 986  | 0 | 2519 | 0 | 4052 | 0 | 5585 | 0 | 7118 | 0 | 8651 | 1 |
| 987  | 0 | 2520 | 0 | 4053 | 1 | 5586 | 1 | 7119 | 0 | 8652 | 0 |
| 988  | 0 | 2521 | 1 | 4054 | 0 | 5587 | 1 | 7120 | 1 | 8653 | 1 |
| 989  | 0 | 2522 | 1 | 4055 | 0 | 5588 | 0 | 7121 | 0 | 8654 | 0 |
| 990  | 0 | 2523 | 1 | 4056 | 1 | 5589 | 0 | 7122 | 0 | 8655 | 0 |
| 991  | 1 | 2524 | 0 | 4057 | 1 | 5590 | 1 | 7123 | 0 | 8656 | 0 |
| 992  | 1 | 2525 | 1 | 4058 | 1 | 5591 | 1 | 7124 | 1 | 8657 | 1 |
| 993  | 1 | 2526 | 0 | 4059 | 0 | 5592 | 1 | 7125 | 1 | 8658 | 0 |
| 994  | 0 | 2527 | 1 | 4060 | 1 | 5593 | 0 | 7126 | 1 | 8659 | 0 |
| 995  | 1 | 2528 | 1 | 4061 | 1 | 5594 | 1 | 7127 | 1 | 8660 | 0 |
| 996  | 0 | 2529 | 0 | 4062 | 0 | 5595 | 0 | 7128 | 1 | 8661 | 0 |
| 997  | 1 | 2530 | 0 | 4063 | 1 | 5596 | 0 | 7129 | 1 | 8662 | 1 |
| 998  | 1 | 2531 | 0 | 4064 | 0 | 5597 | 1 | 7130 | 0 | 8663 | 1 |
| 999  | 1 | 2532 | 0 | 4065 | 0 | 5598 | 1 | 7131 | 1 | 8664 | 1 |
| 1000 | 1 | 2533 | 1 | 4066 | 0 | 5599 | 0 | 7132 | 1 | 8665 | 0 |
| 1001 | 0 | 2534 | 0 | 4067 | 0 | 5600 | 0 | 7133 | 0 | 8666 | 1 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1002 | 1 | 2535 | 0 | 4068 | 0 | 5601 | 1 | 7134 | 0 | 8667 | 0 |
| 1003 | 0 | 2536 | 0 | 4069 | 0 | 5602 | 0 | 7135 | 0 | 8668 | 0 |
| 1004 | 0 | 2537 | 0 | 4070 | 0 | 5603 | 1 | 7136 | 0 | 8669 | 0 |
| 1005 | 1 | 2538 | 1 | 4071 | 1 | 5604 | 1 | 7137 | 0 | 8670 | 1 |
| 1006 | 1 | 2539 | 1 | 4072 | 0 | 5605 | 0 | 7138 | 1 | 8671 | 1 |
| 1007 | 1 | 2540 | 1 | 4073 | 1 | 5606 | 0 | 7139 | 1 | 8672 | 0 |
| 1008 | 0 | 2541 | 1 | 4074 | 0 | 5607 | 0 | 7140 | 1 | 8673 | 0 |
| 1009 | 0 | 2542 | 1 | 4075 | 1 | 5608 | 1 | 7141 | 0 | 8674 | 0 |
| 1010 | 0 | 2543 | 0 | 4076 | 0 | 5609 | 0 | 7142 | 1 | 8675 | 0 |
| 1011 | 1 | 2544 | 1 | 4077 | 1 | 5610 | 1 | 7143 | 1 | 8676 | 0 |
| 1012 | 0 | 2545 | 1 | 4078 | 1 | 5611 | 0 | 7144 | 1 | 8677 | 1 |
| 1013 | 0 | 2546 | 0 | 4079 | 0 | 5612 | 1 | 7145 | 1 | 8678 | 0 |
| 1014 | 0 | 2547 | 1 | 4080 | 1 | 5613 | 0 | 7146 | 1 | 8679 | 0 |
| 1015 | 1 | 2548 | 0 | 4081 | 0 | 5614 | 1 | 7147 | 0 | 8680 | 1 |
| 1016 | 1 | 2549 | 1 | 4082 | 1 | 5615 | 1 | 7148 | 0 | 8681 | 1 |
| 1017 | 0 | 2550 | 0 | 4083 | 1 | 5616 | 0 | 7149 | 0 | 8682 | 1 |
| 1018 | 1 | 2551 | 1 | 4084 | 1 | 5617 | 1 | 7150 | 1 | 8683 | 0 |
| 1019 | 0 | 2552 | 0 | 4085 | 1 | 5618 | 0 | 7151 | 1 | 8684 | 0 |
| 1020 | 0 | 2553 | 0 | 4086 | 0 | 5619 | 0 | 7152 | 1 | 8685 | 0 |
| 1021 | 1 | 2554 | 1 | 4087 | 0 | 5620 | 1 | 7153 | 1 | 8686 | 1 |
| 1022 | 1 | 2555 | 0 | 4088 | 1 | 5621 | 0 | 7154 | 0 | 8687 | 0 |
| 1023 | 1 | 2556 | 1 | 4089 | 1 | 5622 | 0 | 7155 | 0 | 8688 | 0 |
| 1024 | 1 | 2557 | 1 | 4090 | 0 | 5623 | 0 | 7156 | 1 | 8689 | 0 |
| 1025 | 0 | 2558 | 1 | 4091 | 0 | 5624 | 1 | 7157 | 0 | 8690 | 0 |
| 1026 | 0 | 2559 | 1 | 4092 | 0 | 5625 | 1 | 7158 | 1 | 8691 | 0 |
| 1027 | 1 | 2560 | 1 | 4093 | 0 | 5626 | 1 | 7159 | 0 | 8692 | 1 |
| 1028 | 0 | 2561 | 1 | 4094 | 0 | 5627 | 0 | 7160 | 1 | 8693 | 1 |
| 1029 | 0 | 2562 | 1 | 4095 | 0 | 5628 | 0 | 7161 | 1 | 8694 | 0 |
| 1030 | 1 | 2563 | 0 | 4096 | 0 | 5629 | 1 | 7162 | 1 | 8695 | 0 |
| 1031 | 0 | 2564 | 0 | 4097 | 0 | 5630 | 0 | 7163 | 1 | 8696 | 1 |
| 1032 | 1 | 2565 | 0 | 4098 | 0 | 5631 | 1 | 7164 | 0 | 8697 | 1 |
| 1033 | 1 | 2566 | 0 | 4099 | 1 | 5632 | 0 | 7165 | 1 | 8698 | 0 |
| 1034 | 0 | 2567 | 1 | 4100 | 1 | 5633 | 1 | 7166 | 0 | 8699 | 1 |
| 1035 | 1 | 2568 | 0 | 4101 | 0 | 5634 | 1 | 7167 | 0 | 8700 | 1 |
| 1036 | 0 | 2569 | 1 | 4102 | 1 | 5635 | 0 | 7168 | 0 | 8701 | 0 |
| 1037 | 0 | 2570 | 1 | 4103 | 1 | 5636 | 0 | 7169 | 0 | 8702 | 1 |
| 1038 | 0 | 2571 | 0 | 4104 | 0 | 5637 | 0 | 7170 | 1 | 8703 | 0 |
| 1039 | 0 | 2572 | 0 | 4105 | 1 | 5638 | 0 | 7171 | 0 | 8704 | 1 |
| 1040 | 1 | 2573 | 0 | 4106 | 0 | 5639 | 0 | 7172 | 0 | 8705 | 1 |
| 1041 | 0 | 2574 | 1 | 4107 | 1 | 5640 | 0 | 7173 | 1 | 8706 | 1 |
| 1042 | 1 | 2575 | 0 | 4108 | 0 | 5641 | 0 | 7174 | 0 | 8707 | 0 |
| 1043 | 1 | 2576 | 1 | 4109 | 1 | 5642 | 0 | 7175 | 0 | 8708 | 0 |
| 1044 | 1 | 2577 | 1 | 4110 | 1 | 5643 | 1 | 7176 | 0 | 8709 | 1 |
| 1045 | 0 | 2578 | 0 | 4111 | 0 | 5644 | 1 | 7177 | 1 | 8710 | 1 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1046 | 0 | 2579 | 1 | 4112 | 1 | 5645 | 1 | 7178 | 0 | 8711 | 1 |
| 1047 | 1 | 2580 | 1 | 4113 | 1 | 5646 | 0 | 7179 | 1 | 8712 | 0 |
| 1048 | 0 | 2581 | 1 | 4114 | 1 | 5647 | 0 | 7180 | 1 | 8713 | 1 |
| 1049 | 0 | 2582 | 0 | 4115 | 1 | 5648 | 1 | 7181 | 1 | 8714 | 1 |
| 1050 | 0 | 2583 | 0 | 4116 | 0 | 5649 | 1 | 7182 | 1 | 8715 | 0 |
| 1051 | 1 | 2584 | 1 | 4117 | 0 | 5650 | 0 | 7183 | 1 | 8716 | 0 |
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| 1053 | 0 | 2586 | 1 | 4119 | 0 | 5652 | 0 | 7185 | 0 | 8718 | 0 |
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| 1055 | 0 | 2588 | 0 | 4121 | 0 | 5654 | 0 | 7187 | 0 | 8720 | 1 |
| 1056 | 1 | 2589 | 0 | 4122 | 0 | 5655 | 1 | 7188 | 1 | 8721 | 1 |
| 1057 | 0 | 2590 | 0 | 4123 | 1 | 5656 | 0 | 7189 | 1 | 8722 | 0 |
| 1058 | 1 | 2591 | 0 | 4124 | 0 | 5657 | 0 | 7190 | 1 | 8723 | 1 |
| 1059 | 0 | 2592 | 1 | 4125 | 0 | 5658 | 0 | 7191 | 1 | 8724 | 1 |
| 1060 | 1 | 2593 | 0 | 4126 | 0 | 5659 | 1 | 7192 | 0 | 8725 | 0 |
| 1061 | 1 | 2594 | 0 | 4127 | 1 | 5660 | 0 | 7193 | 0 | 8726 | 0 |
| 1062 | 0 | 2595 | 0 | 4128 | 0 | 5661 | 1 | 7194 | 1 | 8727 | 0 |
| 1063 | 1 | 2596 | 0 | 4129 | 1 | 5662 | 1 | 7195 | 1 | 8728 | 1 |
| 1064 | 1 | 2597 | 1 | 4130 | 1 | 5663 | 1 | 7196 | 0 | 8729 | 0 |
| 1065 | 0 | 2598 | 1 | 4131 | 1 | 5664 | 1 | 7197 | 0 | 8730 | 1 |
| 1066 | 1 | 2599 | 0 | 4132 | 0 | 5665 | 0 | 7198 | 0 | 8731 | 1 |
| 1067 | 0 | 2600 | 0 | 4133 | 1 | 5666 | 1 | 7199 | 0 | 8732 | 1 |
| 1068 | 1 | 2601 | 0 | 4134 | 0 | 5667 | 0 | 7200 | 0 | 8733 | 1 |
| 1069 | 0 | 2602 | 1 | 4135 | 1 | 5668 | 0 | 7201 | 1 | 8734 | 0 |
| 1070 | 0 | 2603 | 0 | 4136 | 0 | 5669 | 1 | 7202 | 1 | 8735 | 0 |
| 1071 | 1 | 2604 | 1 | 4137 | 0 | 5670 | 0 | 7203 | 0 | 8736 | 0 |
| 1072 | 1 | 2605 | 1 | 4138 | 0 | 5671 | 1 | 7204 | 1 | 8737 | 1 |
| 1073 | 0 | 2606 | 1 | 4139 | 1 | 5672 | 0 | 7205 | 0 | 8738 | 1 |
| 1074 | 0 | 2607 | 1 | 4140 | 0 | 5673 | 0 | 7206 | 1 | 8739 | 1 |
| 1075 | 0 | 2608 | 0 | 4141 | 1 | 5674 | 0 | 7207 | 0 | 8740 | 0 |
| 1076 | 0 | 2609 | 1 | 4142 | 0 | 5675 | 0 | 7208 | 0 | 8741 | 0 |
| 1077 | 0 | 2610 | 0 | 4143 | 1 | 5676 | 0 | 7209 | 0 | 8742 | 1 |
| 1078 | 1 | 2611 | 1 | 4144 | 0 | 5677 | 0 | 7210 | 0 | 8743 | 0 |
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| 1080 | 1 | 2613 | 0 | 4146 | 1 | 5679 | 1 | 7212 | 0 | 8745 | 1 |
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| 1082 | 0 | 2615 | 1 | 4148 | 0 | 5681 | 1 | 7214 | 1 | 8747 | 0 |
| 1083 | 0 | 2616 | 0 | 4149 | 1 | 5682 | 0 | 7215 | 0 | 8748 | 0 |
| 1084 | 1 | 2617 | 0 | 4150 | 1 | 5683 | 0 | 7216 | 1 | 8749 | 1 |
| 1085 | 0 | 2618 | 0 | 4151 | 0 | 5684 | 1 | 7217 | 0 | 8750 | 0 |
| 1086 | 1 | 2619 | 0 | 4152 | 0 | 5685 | 0 | 7218 | 0 | 8751 | 0 |
| 1087 | 1 | 2620 | 0 | 4153 | 0 | 5686 | 1 | 7219 | 0 | 8752 | 1 |
| 1088 | 0 | 2621 | 1 | 4154 | 1 | 5687 | 0 | 7220 | 1 | 8753 | 1 |
| 1089 | 0 | 2622 | 1 | 4155 | 1 | 5688 | 0 | 7221 | 1 | 8754 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1090 | 0 | 2623 | 0 | 4156 | 0 | 5689 | 0 | 7222 | 0 | 8755 | 1 |
| 1091 | 0 | 2624 | 1 | 4157 | 1 | 5690 | 0 | 7223 | 0 | 8756 | 0 |
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| 1093 | 0 | 2626 | 0 | 4159 | 1 | 5692 | 0 | 7225 | 0 | 8758 | 0 |
| 1094 | 0 | 2627 | 1 | 4160 | 0 | 5693 | 0 | 7226 | 1 | 8759 | 0 |
| 1095 | 0 | 2628 | 1 | 4161 | 1 | 5694 | 1 | 7227 | 1 | 8760 | 0 |
| 1096 | 1 | 2629 | 1 | 4162 | 0 | 5695 | 1 | 7228 | 1 | 8761 | 1 |
| 1097 | 1 | 2630 | 1 | 4163 | 0 | 5696 | 0 | 7229 | 0 | 8762 | 1 |
| 1098 | 0 | 2631 | 0 | 4164 | 1 | 5697 | 0 | 7230 | 0 | 8763 | 1 |
| 1099 | 0 | 2632 | 1 | 4165 | 0 | 5698 | 1 | 7231 | 0 | 8764 | 0 |
| 1100 | 0 | 2633 | 1 | 4166 | 1 | 5699 | 0 | 7232 | 1 | 8765 | 0 |
| 1101 | 0 | 2634 | 1 | 4167 | 0 | 5700 | 1 | 7233 | 1 | 8766 | 0 |
| 1102 | 1 | 2635 | 1 | 4168 | 1 | 5701 | 1 | 7234 | 1 | 8767 | 1 |
| 1103 | 1 | 2636 | 0 | 4169 | 0 | 5702 | 1 | 7235 | 1 | 8768 | 0 |
| 1104 | 1 | 2637 | 1 | 4170 | 1 | 5703 | 0 | 7236 | 0 | 8769 | 1 |
| 1105 | 1 | 2638 | 0 | 4171 | 0 | 5704 | 1 | 7237 | 1 | 8770 | 1 |
| 1106 | 1 | 2639 | 0 | 4172 | 1 | 5705 | 1 | 7238 | 1 | 8771 | 1 |
| 1107 | 0 | 2640 | 1 | 4173 | 1 | 5706 | 1 | 7239 | 1 | 8772 | 1 |
| 1108 | 0 | 2641 | 1 | 4174 | 1 | 5707 | 0 | 7240 | 1 | 8773 | 0 |
| 1109 | 0 | 2642 | 0 | 4175 | 1 | 5708 | 1 | 7241 | 0 | 8774 | 1 |
| 1110 | 0 | 2643 | 1 | 4176 | 0 | 5709 | 0 | 7242 | 1 | 8775 | 0 |
| 1111 | 1 | 2644 | 1 | 4177 | 1 | 5710 | 1 | 7243 | 0 | 8776 | 1 |
| 1112 | 0 | 2645 | 1 | 4178 | 1 | 5711 | 0 | 7244 | 0 | 8777 | 0 |
| 1113 | 0 | 2646 | 1 | 4179 | 1 | 5712 | 0 | 7245 | 0 | 8778 | 0 |
| 1114 | 0 | 2647 | 1 | 4180 | 1 | 5713 | 1 | 7246 | 0 | 8779 | 0 |
| 1115 | 0 | 2648 | 1 | 4181 | 0 | 5714 | 0 | 7247 | 1 | 8780 | 1 |
| 1116 | 1 | 2649 | 1 | 4182 | 0 | 5715 | 0 | 7248 | 1 | 8781 | 0 |
| 1117 | 0 | 2650 | 1 | 4183 | 1 | 5716 | 0 | 7249 | 0 | 8782 | 0 |
| 1118 | 0 | 2651 | 1 | 4184 | 1 | 5717 | 0 | 7250 | 0 | 8783 | 1 |
| 1119 | 1 | 2652 | 0 | 4185 | 0 | 5718 | 1 | 7251 | 1 | 8784 | 0 |
| 1120 | 1 | 2653 | 1 | 4186 | 1 | 5719 | 0 | 7252 | 1 | 8785 | 0 |
| 1121 | 1 | 2654 | 0 | 4187 | 0 | 5720 | 1 | 7253 | 0 | 8786 | 0 |
| 1122 | 0 | 2655 | 1 | 4188 | 0 | 5721 | 1 | 7254 | 1 | 8787 | 0 |
| 1123 | 1 | 2656 | 1 | 4189 | 0 | 5722 | 0 | 7255 | 1 | 8788 | 0 |
| 1124 | 0 | 2657 | 0 | 4190 | 1 | 5723 | 0 | 7256 | 0 | 8789 | 0 |
| 1125 | 0 | 2658 | 0 | 4191 | 0 | 5724 | 1 | 7257 | 1 | 8790 | 1 |
| 1126 | 1 | 2659 | 0 | 4192 | 1 | 5725 | 1 | 7258 | 0 | 8791 | 1 |
| 1127 | 1 | 2660 | 1 | 4193 | 1 | 5726 | 1 | 7259 | 0 | 8792 | 1 |
| 1128 | 0 | 2661 | 0 | 4194 | 1 | 5727 | 1 | 7260 | 0 | 8793 | 1 |
| 1129 | 0 | 2662 | 1 | 4195 | 1 | 5728 | 1 | 7261 | 0 | 8794 | 0 |
| 1130 | 0 | 2663 | 0 | 4196 | 1 | 5729 | 1 | 7262 | 0 | 8795 | 1 |
| 1131 | 1 | 2664 | 1 | 4197 | 0 | 5730 | 0 | 7263 | 0 | 8796 | 0 |
| 1132 | 0 | 2665 | 0 | 4198 | 1 | 5731 | 1 | 7264 | 0 | 8797 | 1 |
| 1133 | 0 | 2666 | 0 | 4199 | 0 | 5732 | 1 | 7265 | 0 | 8798 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1134 | 1 | 2667 | 0 | 4200 | 0 | 5733 | 0 | 7266 | 1 | 8799 | 0 |
| 1135 | 1 | 2668 | 0 | 4201 | 0 | 5734 | 0 | 7267 | 1 | 8800 | 1 |
| 1136 | 1 | 2669 | 1 | 4202 | 1 | 5735 | 1 | 7268 | 0 | 8801 | 1 |
| 1137 | 1 | 2670 | 0 | 4203 | 1 | 5736 | 1 | 7269 | 1 | 8802 | 0 |
| 1138 | 1 | 2671 | 1 | 4204 | 0 | 5737 | 0 | 7270 | 1 | 8803 | 1 |
| 1139 | 0 | 2672 | 0 | 4205 | 0 | 5738 | 0 | 7271 | 1 | 8804 | 1 |
| 1140 | 1 | 2673 | 0 | 4206 | 1 | 5739 | 1 | 7272 | 0 | 8805 | 1 |
| 1141 | 0 | 2674 | 1 | 4207 | 1 | 5740 | 1 | 7273 | 1 | 8806 | 0 |
| 1142 | 1 | 2675 | 1 | 4208 | 0 | 5741 | 0 | 7274 | 0 | 8807 | 0 |
| 1143 | 0 | 2676 | 1 | 4209 | 1 | 5742 | 1 | 7275 | 0 | 8808 | 1 |
| 1144 | 1 | 2677 | 0 | 4210 | 1 | 5743 | 0 | 7276 | 1 | 8809 | 0 |
| 1145 | 0 | 2678 | 1 | 4211 | 0 | 5744 | 0 | 7277 | 1 | 8810 | 0 |
| 1146 | 0 | 2679 | 1 | 4212 | 1 | 5745 | 0 | 7278 | 0 | 8811 | 0 |
| 1147 | 0 | 2680 | 0 | 4213 | 1 | 5746 | 1 | 7279 | 1 | 8812 | 1 |
| 1148 | 1 | 2681 | 0 | 4214 | 1 | 5747 | 0 | 7280 | 1 | 8813 | 0 |
| 1149 | 0 | 2682 | 1 | 4215 | 1 | 5748 | 0 | 7281 | 1 | 8814 | 0 |
| 1150 | 1 | 2683 | 1 | 4216 | 1 | 5749 | 1 | 7282 | 0 | 8815 | 1 |
| 1151 | 0 | 2684 | 1 | 4217 | 0 | 5750 | 0 | 7283 | 0 | 8816 | 0 |
| 1152 | 0 | 2685 | 1 | 4218 | 0 | 5751 | 1 | 7284 | 1 | 8817 | 1 |
| 1153 | 0 | 2686 | 0 | 4219 | 0 | 5752 | 1 | 7285 | 0 | 8818 | 0 |
| 1154 | 0 | 2687 | 0 | 4220 | 0 | 5753 | 0 | 7286 | 1 | 8819 | 1 |
| 1155 | 0 | 2688 | 0 | 4221 | 0 | 5754 | 1 | 7287 | 0 | 8820 | 0 |
| 1156 | 1 | 2689 | 1 | 4222 | 0 | 5755 | 0 | 7288 | 0 | 8821 | 0 |
| 1157 | 0 | 2690 | 0 | 4223 | 1 | 5756 | 0 | 7289 | 0 | 8822 | 0 |
| 1158 | 0 | 2691 | 1 | 4224 | 1 | 5757 | 1 | 7290 | 0 | 8823 | 1 |
| 1159 | 0 | 2692 | 1 | 4225 | 1 | 5758 | 0 | 7291 | 1 | 8824 | 0 |
| 1160 | 0 | 2693 | 1 | 4226 | 0 | 5759 | 0 | 7292 | 1 | 8825 | 1 |
| 1161 | 1 | 2694 | 0 | 4227 | 0 | 5760 | 0 | 7293 | 0 | 8826 | 0 |
| 1162 | 0 | 2695 | 0 | 4228 | 1 | 5761 | 0 | 7294 | 1 | 8827 | 0 |
| 1163 | 0 | 2696 | 0 | 4229 | 0 | 5762 | 1 | 7295 | 1 | 8828 | 1 |
| 1164 | 0 | 2697 | 0 | 4230 | 1 | 5763 | 0 | 7296 | 1 | 8829 | 1 |
| 1165 | 1 | 2698 | 1 | 4231 | 1 | 5764 | 1 | 7297 | 0 | 8830 | 0 |
| 1166 | 0 | 2699 | 1 | 4232 | 0 | 5765 | 0 | 7298 | 1 | 8831 | 0 |
| 1167 | 0 | 2700 | 1 | 4233 | 1 | 5766 | 1 | 7299 | 0 | 8832 | 1 |
| 1168 | 1 | 2701 | 1 | 4234 | 0 | 5767 | 0 | 7300 | 1 | 8833 | 0 |
| 1169 | 1 | 2702 | 0 | 4235 | 1 | 5768 | 1 | 7301 | 0 | 8834 | 0 |
| 1170 | 1 | 2703 | 0 | 4236 | 1 | 5769 | 0 | 7302 | 1 | 8835 | 1 |
| 1171 | 1 | 2704 | 1 | 4237 | 1 | 5770 | 0 | 7303 | 0 | 8836 | 0 |
| 1172 | 0 | 2705 | 0 | 4238 | 0 | 5771 | 0 | 7304 | 0 | 8837 | 1 |
| 1173 | 1 | 2706 | 0 | 4239 | 0 | 5772 | 1 | 7305 | 0 | 8838 | 1 |
| 1174 | 0 | 2707 | 0 | 4240 | 0 | 5773 | 1 | 7306 | 0 | 8839 | 1 |
| 1175 | 1 | 2708 | 1 | 4241 | 1 | 5774 | 1 | 7307 | 0 | 8840 | 0 |
| 1176 | 0 | 2709 | 1 | 4242 | 0 | 5775 | 1 | 7308 | 1 | 8841 | 0 |
| 1177 | 1 | 2710 | 1 | 4243 | 0 | 5776 | 1 | 7309 | 0 | 8842 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1178 | 0 | 2711 | 0 | 4244 | 1 | 5777 | 0 | 7310 | 1 | 8843 | 0 |
| 1179 | 1 | 2712 | 1 | 4245 | 0 | 5778 | 1 | 7311 | 1 | 8844 | 1 |
| 1180 | 1 | 2713 | 0 | 4246 | 0 | 5779 | 0 | 7312 | 0 | 8845 | 0 |
| 1181 | 1 | 2714 | 1 | 4247 | 0 | 5780 | 1 | 7313 | 0 | 8846 | 0 |
| 1182 | 1 | 2715 | 1 | 4248 | 0 | 5781 | 0 | 7314 | 1 | 8847 | 1 |
| 1183 | 0 | 2716 | 0 | 4249 | 0 | 5782 | 1 | 7315 | 1 | 8848 | 0 |
| 1184 | 1 | 2717 | 0 | 4250 | 0 | 5783 | 0 | 7316 | 0 | 8849 | 0 |
| 1185 | 1 | 2718 | 0 | 4251 | 1 | 5784 | 1 | 7317 | 1 | 8850 | 0 |
| 1186 | 1 | 2719 | 0 | 4252 | 0 | 5785 | 0 | 7318 | 0 | 8851 | 1 |
| 1187 | 0 | 2720 | 1 | 4253 | 0 | 5786 | 1 | 7319 | 1 | 8852 | 1 |
| 1188 | 1 | 2721 | 0 | 4254 | 0 | 5787 | 0 | 7320 | 1 | 8853 | 0 |
| 1189 | 1 | 2722 | 1 | 4255 | 0 | 5788 | 1 | 7321 | 1 | 8854 | 1 |
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| 1191 | 1 | 2724 | 0 | 4257 | 1 | 5790 | 0 | 7323 | 1 | 8856 | 1 |
| 1192 | 0 | 2725 | 0 | 4258 | 1 | 5791 | 1 | 7324 | 0 | 8857 | 0 |
| 1193 | 0 | 2726 | 0 | 4259 | 1 | 5792 | 0 | 7325 | 0 | 8858 | 1 |
| 1194 | 1 | 2727 | 1 | 4260 | 1 | 5793 | 0 | 7326 | 0 | 8859 | 0 |
| 1195 | 1 | 2728 | 1 | 4261 | 1 | 5794 | 1 | 7327 | 0 | 8860 | 0 |
| 1196 | 0 | 2729 | 1 | 4262 | 0 | 5795 | 0 | 7328 | 0 | 8861 | 1 |
| 1197 | 1 | 2730 | 0 | 4263 | 1 | 5796 | 1 | 7329 | 1 | 8862 | 1 |
| 1198 | 0 | 2731 | 0 | 4264 | 1 | 5797 | 1 | 7330 | 1 | 8863 | 1 |
| 1199 | 0 | 2732 | 0 | 4265 | 0 | 5798 | 1 | 7331 | 1 | 8864 | 1 |
| 1200 | 1 | 2733 | 0 | 4266 | 0 | 5799 | 1 | 7332 | 1 | 8865 | 1 |
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| 1202 | 0 | 2735 | 1 | 4268 | 0 | 5801 | 1 | 7334 | 1 | 8867 | 1 |
| 1203 | 0 | 2736 | 1 | 4269 | 0 | 5802 | 1 | 7335 | 0 | 8868 | 1 |
| 1204 | 1 | 2737 | 1 | 4270 | 0 | 5803 | 1 | 7336 | 1 | 8869 | 0 |
| 1205 | 0 | 2738 | 1 | 4271 | 0 | 5804 | 0 | 7337 | 0 | 8870 | 1 |
| 1206 | 1 | 2739 | 0 | 4272 | 0 | 5805 | 1 | 7338 | 1 | 8871 | 1 |
| 1207 | 0 | 2740 | 0 | 4273 | 1 | 5806 | 1 | 7339 | 0 | 8872 | 1 |
| 1208 | 0 | 2741 | 0 | 4274 | 0 | 5807 | 0 | 7340 | 0 | 8873 | 0 |
| 1209 | 0 | 2742 | 1 | 4275 | 0 | 5808 | 1 | 7341 | 0 | 8874 | 1 |
| 1210 | 1 | 2743 | 0 | 4276 | 1 | 5809 | 1 | 7342 | 0 | 8875 | 1 |
| 1211 | 1 | 2744 | 0 | 4277 | 0 | 5810 | 1 | 7343 | 0 | 8876 | 1 |
| 1212 | 1 | 2745 | 1 | 4278 | 1 | 5811 | 1 | 7344 | 0 | 8877 | 0 |
| 1213 | 0 | 2746 | 1 | 4279 | 0 | 5812 | 1 | 7345 | 0 | 8878 | 0 |
| 1214 | 1 | 2747 | 1 | 4280 | 0 | 5813 | 0 | 7346 | 0 | 8879 | 0 |
| 1215 | 1 | 2748 | 0 | 4281 | 1 | 5814 | 0 | 7347 | 1 | 8880 | 1 |
| 1216 | 1 | 2749 | 1 | 4282 | 1 | 5815 | 0 | 7348 | 1 | 8881 | 1 |
| 1217 | 1 | 2750 | 0 | 4283 | 1 | 5816 | 1 | 7349 | 1 | 8882 | 1 |
| 1218 | 1 | 2751 | 1 | 4284 | 1 | 5817 | 0 | 7350 | 1 | 8883 | 1 |
| 1219 | 0 | 2752 | 1 | 4285 | 1 | 5818 | 0 | 7351 | 1 | 8884 | 1 |
| 1220 | 0 | 2753 | 0 | 4286 | 1 | 5819 | 1 | 7352 | 1 | 8885 | 1 |
| 1221 | 1 | 2754 | 1 | 4287 | 1 | 5820 | 0 | 7353 | 1 | 8886 | 1 |

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|------|---|------|---|------|---|------|---|------|---|------|---|
| 1222 | 1 | 2755 | 0 | 4288 | 1 | 5821 | 1 | 7354 | 0 | 8887 | 0 |
| 1223 | 0 | 2756 | 0 | 4289 | 0 | 5822 | 0 | 7355 | 1 | 8888 | 1 |
| 1224 | 0 | 2757 | 1 | 4290 | 1 | 5823 | 1 | 7356 | 0 | 8889 | 0 |
| 1225 | 0 | 2758 | 0 | 4291 | 1 | 5824 | 1 | 7357 | 1 | 8890 | 1 |
| 1226 | 0 | 2759 | 0 | 4292 | 0 | 5825 | 0 | 7358 | 0 | 8891 | 1 |
| 1227 | 1 | 2760 | 0 | 4293 | 1 | 5826 | 0 | 7359 | 1 | 8892 | 1 |
| 1228 | 1 | 2761 | 0 | 4294 | 1 | 5827 | 0 | 7360 | 1 | 8893 | 1 |
| 1229 | 1 | 2762 | 1 | 4295 | 0 | 5828 | 1 | 7361 | 1 | 8894 | 1 |
| 1230 | 1 | 2763 | 1 | 4296 | 1 | 5829 | 1 | 7362 | 0 | 8895 | 1 |
| 1231 | 1 | 2764 | 0 | 4297 | 1 | 5830 | 0 | 7363 | 0 | 8896 | 1 |
| 1232 | 1 | 2765 | 1 | 4298 | 1 | 5831 | 0 | 7364 | 0 | 8897 | 0 |
| 1233 | 0 | 2766 | 0 | 4299 | 0 | 5832 | 1 | 7365 | 1 | 8898 | 1 |
| 1234 | 0 | 2767 | 1 | 4300 | 0 | 5833 | 1 | 7366 | 1 | 8899 | 1 |
| 1235 | 1 | 2768 | 0 | 4301 | 1 | 5834 | 0 | 7367 | 0 | 8900 | 1 |
| 1236 | 1 | 2769 | 1 | 4302 | 1 | 5835 | 0 | 7368 | 0 | 8901 | 0 |
| 1237 | 1 | 2770 | 0 | 4303 | 0 | 5836 | 1 | 7369 | 1 | 8902 | 0 |
| 1238 | 0 | 2771 | 0 | 4304 | 1 | 5837 | 0 | 7370 | 1 | 8903 | 0 |
| 1239 | 0 | 2772 | 1 | 4305 | 0 | 5838 | 0 | 7371 | 0 | 8904 | 0 |
| 1240 | 1 | 2773 | 0 | 4306 | 0 | 5839 | 1 | 7372 | 0 | 8905 | 0 |
| 1241 | 0 | 2774 | 0 | 4307 | 0 | 5840 | 0 | 7373 | 0 | 8906 | 0 |
| 1242 | 0 | 2775 | 0 | 4308 | 1 | 5841 | 1 | 7374 | 1 | 8907 | 1 |
| 1243 | 1 | 2776 | 1 | 4309 | 0 | 5842 | 1 | 7375 | 0 | 8908 | 0 |
| 1244 | 0 | 2777 | 0 | 4310 | 1 | 5843 | 0 | 7376 | 0 | 8909 | 1 |
| 1245 | 1 | 2778 | 0 | 4311 | 1 | 5844 | 0 | 7377 | 0 | 8910 | 1 |
| 1246 | 1 | 2779 | 0 | 4312 | 1 | 5845 | 0 | 7378 | 0 | 8911 | 0 |
| 1247 | 0 | 2780 | 1 | 4313 | 1 | 5846 | 1 | 7379 | 0 | 8912 | 1 |
| 1248 | 0 | 2781 | 1 | 4314 | 0 | 5847 | 0 | 7380 | 1 | 8913 | 0 |
| 1249 | 0 | 2782 | 1 | 4315 | 1 | 5848 | 0 | 7381 | 1 | 8914 | 1 |
| 1250 | 1 | 2783 | 1 | 4316 | 1 | 5849 | 1 | 7382 | 1 | 8915 | 1 |
| 1251 | 0 | 2784 | 1 | 4317 | 0 | 5850 | 0 | 7383 | 0 | 8916 | 0 |
| 1252 | 0 | 2785 | 1 | 4318 | 1 | 5851 | 0 | 7384 | 1 | 8917 | 0 |
| 1253 | 1 | 2786 | 1 | 4319 | 1 | 5852 | 0 | 7385 | 0 | 8918 | 1 |
| 1254 | 1 | 2787 | 0 | 4320 | 1 | 5853 | 1 | 7386 | 1 | 8919 | 0 |
| 1255 | 0 | 2788 | 1 | 4321 | 1 | 5854 | 0 | 7387 | 0 | 8920 | 1 |
| 1256 | 0 | 2789 | 1 | 4322 | 1 | 5855 | 0 | 7388 | 1 | 8921 | 0 |
| 1257 | 0 | 2790 | 1 | 4323 | 1 | 5856 | 0 | 7389 | 1 | 8922 | 1 |
| 1258 | 1 | 2791 | 1 | 4324 | 0 | 5857 | 0 | 7390 | 1 | 8923 | 0 |
| 1259 | 1 | 2792 | 1 | 4325 | 1 | 5858 | 1 | 7391 | 1 | 8924 | 1 |
| 1260 | 1 | 2793 | 1 | 4326 | 1 | 5859 | 1 | 7392 | 1 | 8925 | 0 |
| 1261 | 1 | 2794 | 0 | 4327 | 0 | 5860 | 1 | 7393 | 1 | 8926 | 0 |
| 1262 | 1 | 2795 | 1 | 4328 | 0 | 5861 | 0 | 7394 | 0 | 8927 | 1 |
| 1263 | 0 | 2796 | 0 | 4329 | 1 | 5862 | 1 | 7395 | 0 | 8928 | 1 |
| 1264 | 0 | 2797 | 0 | 4330 | 1 | 5863 | 1 | 7396 | 0 | 8929 | 1 |
| 1265 | 0 | 2798 | 1 | 4331 | 0 | 5864 | 0 | 7397 | 0 | 8930 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1266 | 1 | 2799 | 1 | 4332 | 0 | 5865 | 0 | 7398 | 1 | 8931 | 0 |
| 1267 | 0 | 2800 | 0 | 4333 | 0 | 5866 | 0 | 7399 | 1 | 8932 | 0 |
| 1268 | 1 | 2801 | 1 | 4334 | 0 | 5867 | 1 | 7400 | 1 | 8933 | 1 |
| 1269 | 0 | 2802 | 1 | 4335 | 0 | 5868 | 1 | 7401 | 1 | 8934 | 0 |
| 1270 | 0 | 2803 | 1 | 4336 | 1 | 5869 | 0 | 7402 | 0 | 8935 | 0 |
| 1271 | 0 | 2804 | 0 | 4337 | 0 | 5870 | 1 | 7403 | 0 | 8936 | 1 |
| 1272 | 1 | 2805 | 1 | 4338 | 1 | 5871 | 0 | 7404 | 0 | 8937 | 0 |
| 1273 | 1 | 2806 | 0 | 4339 | 0 | 5872 | 1 | 7405 | 0 | 8938 | 0 |
| 1274 | 1 | 2807 | 1 | 4340 | 1 | 5873 | 0 | 7406 | 0 | 8939 | 1 |
| 1275 | 0 | 2808 | 1 | 4341 | 1 | 5874 | 1 | 7407 | 0 | 8940 | 1 |
| 1276 | 0 | 2809 | 1 | 4342 | 0 | 5875 | 1 | 7408 | 1 | 8941 | 0 |
| 1277 | 0 | 2810 | 1 | 4343 | 1 | 5876 | 0 | 7409 | 1 | 8942 | 0 |
| 1278 | 1 | 2811 | 1 | 4344 | 1 | 5877 | 1 | 7410 | 0 | 8943 | 0 |
| 1279 | 0 | 2812 | 0 | 4345 | 0 | 5878 | 0 | 7411 | 0 | 8944 | 0 |
| 1280 | 0 | 2813 | 1 | 4346 | 0 | 5879 | 0 | 7412 | 1 | 8945 | 1 |
| 1281 | 0 | 2814 | 1 | 4347 | 1 | 5880 | 1 | 7413 | 1 | 8946 | 0 |
| 1282 | 0 | 2815 | 0 | 4348 | 0 | 5881 | 1 | 7414 | 1 | 8947 | 0 |
| 1283 | 0 | 2816 | 1 | 4349 | 0 | 5882 | 1 | 7415 | 0 | 8948 | 0 |
| 1284 | 0 | 2817 | 0 | 4350 | 0 | 5883 | 0 | 7416 | 1 | 8949 | 1 |
| 1285 | 1 | 2818 | 0 | 4351 | 1 | 5884 | 1 | 7417 | 1 | 8950 | 0 |
| 1286 | 0 | 2819 | 0 | 4352 | 1 | 5885 | 0 | 7418 | 1 | 8951 | 1 |
| 1287 | 0 | 2820 | 1 | 4353 | 0 | 5886 | 1 | 7419 | 0 | 8952 | 1 |
| 1288 | 0 | 2821 | 1 | 4354 | 1 | 5887 | 1 | 7420 | 0 | 8953 | 0 |
| 1289 | 0 | 2822 | 0 | 4355 | 1 | 5888 | 1 | 7421 | 1 | 8954 | 0 |
| 1290 | 1 | 2823 | 0 | 4356 | 1 | 5889 | 1 | 7422 | 0 | 8955 | 0 |
| 1291 | 1 | 2824 | 1 | 4357 | 1 | 5890 | 0 | 7423 | 1 | 8956 | 0 |
| 1292 | 1 | 2825 | 1 | 4358 | 0 | 5891 | 1 | 7424 | 1 | 8957 | 0 |
| 1293 | 0 | 2826 | 0 | 4359 | 1 | 5892 | 1 | 7425 | 1 | 8958 | 1 |
| 1294 | 1 | 2827 | 1 | 4360 | 1 | 5893 | 0 | 7426 | 1 | 8959 | 0 |
| 1295 | 1 | 2828 | 1 | 4361 | 0 | 5894 | 1 | 7427 | 1 | 8960 | 1 |
| 1296 | 0 | 2829 | 0 | 4362 | 1 | 5895 | 0 | 7428 | 1 | 8961 | 0 |
| 1297 | 0 | 2830 | 0 | 4363 | 0 | 5896 | 0 | 7429 | 1 | 8962 | 0 |
| 1298 | 1 | 2831 | 1 | 4364 | 1 | 5897 | 0 | 7430 | 1 | 8963 | 0 |
| 1299 | 0 | 2832 | 0 | 4365 | 0 | 5898 | 0 | 7431 | 1 | 8964 | 1 |
| 1300 | 0 | 2833 | 1 | 4366 | 1 | 5899 | 1 | 7432 | 1 | 8965 | 1 |
| 1301 | 0 | 2834 | 0 | 4367 | 1 | 5900 | 0 | 7433 | 0 | 8966 | 0 |
| 1302 | 0 | 2835 | 1 | 4368 | 0 | 5901 | 1 | 7434 | 1 | 8967 | 1 |
| 1303 | 1 | 2836 | 1 | 4369 | 1 | 5902 | 1 | 7435 | 0 | 8968 | 0 |
| 1304 | 1 | 2837 | 1 | 4370 | 0 | 5903 | 0 | 7436 | 1 | 8969 | 0 |
| 1305 | 1 | 2838 | 0 | 4371 | 0 | 5904 | 1 | 7437 | 1 | 8970 | 0 |
| 1306 | 1 | 2839 | 1 | 4372 | 1 | 5905 | 1 | 7438 | 0 | 8971 | 1 |
| 1307 | 1 | 2840 | 1 | 4373 | 1 | 5906 | 1 | 7439 | 1 | 8972 | 1 |
| 1308 | 1 | 2841 | 1 | 4374 | 1 | 5907 | 0 | 7440 | 1 | 8973 | 1 |
| 1309 | 1 | 2842 | 0 | 4375 | 1 | 5908 | 1 | 7441 | 1 | 8974 | 1 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1310 | 1 | 2843 | 0 | 4376 | 1 | 5909 | 0 | 7442 | 0 | 8975 | 0 |
| 1311 | 1 | 2844 | 1 | 4377 | 0 | 5910 | 0 | 7443 | 1 | 8976 | 0 |
| 1312 | 0 | 2845 | 1 | 4378 | 0 | 5911 | 0 | 7444 | 1 | 8977 | 0 |
| 1313 | 1 | 2846 | 0 | 4379 | 0 | 5912 | 1 | 7445 | 1 | 8978 | 0 |
| 1314 | 0 | 2847 | 1 | 4380 | 0 | 5913 | 0 | 7446 | 1 | 8979 | 1 |
| 1315 | 1 | 2848 | 1 | 4381 | 0 | 5914 | 1 | 7447 | 0 | 8980 | 0 |
| 1316 | 1 | 2849 | 0 | 4382 | 0 | 5915 | 1 | 7448 | 1 | 8981 | 1 |
| 1317 | 0 | 2850 | 1 | 4383 | 1 | 5916 | 1 | 7449 | 0 | 8982 | 1 |
| 1318 | 1 | 2851 | 1 | 4384 | 1 | 5917 | 0 | 7450 | 1 | 8983 | 0 |
| 1319 | 1 | 2852 | 1 | 4385 | 1 | 5918 | 1 | 7451 | 1 | 8984 | 1 |
| 1320 | 1 | 2853 | 0 | 4386 | 1 | 5919 | 1 | 7452 | 1 | 8985 | 0 |
| 1321 | 1 | 2854 | 0 | 4387 | 0 | 5920 | 1 | 7453 | 0 | 8986 | 0 |
| 1322 | 0 | 2855 | 0 | 4388 | 1 | 5921 | 1 | 7454 | 0 | 8987 | 0 |
| 1323 | 1 | 2856 | 0 | 4389 | 0 | 5922 | 1 | 7455 | 1 | 8988 | 0 |
| 1324 | 1 | 2857 | 1 | 4390 | 0 | 5923 | 1 | 7456 | 0 | 8989 | 1 |
| 1325 | 0 | 2858 | 1 | 4391 | 1 | 5924 | 0 | 7457 | 0 | 8990 | 0 |
| 1326 | 1 | 2859 | 1 | 4392 | 1 | 5925 | 1 | 7458 | 1 | 8991 | 1 |
| 1327 | 1 | 2860 | 1 | 4393 | 1 | 5926 | 0 | 7459 | 1 | 8992 | 1 |
| 1328 | 0 | 2861 | 0 | 4394 | 0 | 5927 | 1 | 7460 | 1 | 8993 | 0 |
| 1329 | 1 | 2862 | 1 | 4395 | 1 | 5928 | 0 | 7461 | 0 | 8994 | 0 |
| 1330 | 1 | 2863 | 1 | 4396 | 0 | 5929 | 1 | 7462 | 0 | 8995 | 0 |
| 1331 | 0 | 2864 | 0 | 4397 | 0 | 5930 | 0 | 7463 | 1 | 8996 | 0 |
| 1332 | 1 | 2865 | 1 | 4398 | 1 | 5931 | 0 | 7464 | 0 | 8997 | 1 |
| 1333 | 0 | 2866 | 1 | 4399 | 1 | 5932 | 0 | 7465 | 0 | 8998 | 1 |
| 1334 | 1 | 2867 | 0 | 4400 | 0 | 5933 | 1 | 7466 | 1 | 8999 | 0 |
| 1335 | 0 | 2868 | 1 | 4401 | 1 | 5934 | 1 | 7467 | 0 | 9000 | 1 |
| 1336 | 1 | 2869 | 0 | 4402 | 0 | 5935 | 0 | 7468 | 0 | 9001 | 0 |
| 1337 | 1 | 2870 | 1 | 4403 | 0 | 5936 | 1 | 7469 | 0 | 9002 | 1 |
| 1338 | 1 | 2871 | 0 | 4404 | 0 | 5937 | 1 | 7470 | 0 | 9003 | 1 |
| 1339 | 0 | 2872 | 0 | 4405 | 0 | 5938 | 0 | 7471 | 0 | 9004 | 0 |
| 1340 | 0 | 2873 | 1 | 4406 | 0 | 5939 | 0 | 7472 | 1 | 9005 | 1 |
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| 1342 | 0 | 2875 | 0 | 4408 | 0 | 5941 | 0 | 7474 | 1 | 9007 | 0 |
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| 1344 | 1 | 2877 | 0 | 4410 | 1 | 5943 | 0 | 7476 | 1 | 9009 | 1 |
| 1345 | 1 | 2878 | 0 | 4411 | 1 | 5944 | 1 | 7477 | 0 | 9010 | 1 |
| 1346 | 1 | 2879 | 0 | 4412 | 1 | 5945 | 1 | 7478 | 0 | 9011 | 0 |
| 1347 | 1 | 2880 | 0 | 4413 | 1 | 5946 | 0 | 7479 | 1 | 9012 | 0 |
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| 1349 | 1 | 2882 | 0 | 4415 | 1 | 5948 | 0 | 7481 | 1 | 9014 | 1 |
| 1350 | 0 | 2883 | 1 | 4416 | 1 | 5949 | 0 | 7482 | 0 | 9015 | 0 |
| 1351 | 0 | 2884 | 1 | 4417 | 0 | 5950 | 0 | 7483 | 1 | 9016 | 0 |
| 1352 | 1 | 2885 | 0 | 4418 | 0 | 5951 | 1 | 7484 | 0 | 9017 | 0 |
| 1353 | 0 | 2886 | 0 | 4419 | 1 | 5952 | 0 | 7485 | 0 | 9018 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1354 | 0 | 2887 | 1 | 4420 | 1 | 5953 | 1 | 7486 | 1 | 9019 | 0 |
| 1355 | 0 | 2888 | 1 | 4421 | 0 | 5954 | 1 | 7487 | 1 | 9020 | 1 |
| 1356 | 0 | 2889 | 1 | 4422 | 1 | 5955 | 1 | 7488 | 0 | 9021 | 1 |
| 1357 | 1 | 2890 | 0 | 4423 | 0 | 5956 | 0 | 7489 | 1 | 9022 | 0 |
| 1358 | 0 | 2891 | 0 | 4424 | 1 | 5957 | 0 | 7490 | 1 | 9023 | 0 |
| 1359 | 0 | 2892 | 1 | 4425 | 0 | 5958 | 1 | 7491 | 0 | 9024 | 1 |
| 1360 | 1 | 2893 | 1 | 4426 | 0 | 5959 | 1 | 7492 | 1 | 9025 | 1 |
| 1361 | 1 | 2894 | 0 | 4427 | 1 | 5960 | 1 | 7493 | 1 | 9026 | 0 |
| 1362 | 0 | 2895 | 0 | 4428 | 1 | 5961 | 1 | 7494 | 1 | 9027 | 1 |
| 1363 | 0 | 2896 | 0 | 4429 | 0 | 5962 | 1 | 7495 | 1 | 9028 | 0 |
| 1364 | 1 | 2897 | 0 | 4430 | 0 | 5963 | 1 | 7496 | 1 | 9029 | 1 |
| 1365 | 1 | 2898 | 1 | 4431 | 1 | 5964 | 0 | 7497 | 0 | 9030 | 0 |
| 1366 | 0 | 2899 | 0 | 4432 | 1 | 5965 | 1 | 7498 | 0 | 9031 | 1 |
| 1367 | 0 | 2900 | 0 | 4433 | 0 | 5966 | 1 | 7499 | 1 | 9032 | 1 |
| 1368 | 0 | 2901 | 1 | 4434 | 0 | 5967 | 1 | 7500 | 0 | 9033 | 1 |
| 1369 | 0 | 2902 | 0 | 4435 | 1 | 5968 | 0 | 7501 | 0 | 9034 | 1 |
| 1370 | 1 | 2903 | 1 | 4436 | 1 | 5969 | 1 | 7502 | 0 | 9035 | 1 |
| 1371 | 0 | 2904 | 0 | 4437 | 0 | 5970 | 0 | 7503 | 1 | 9036 | 0 |
| 1372 | 1 | 2905 | 0 | 4438 | 0 | 5971 | 1 | 7504 | 1 | 9037 | 1 |
| 1373 | 1 | 2906 | 0 | 4439 | 0 | 5972 | 1 | 7505 | 1 | 9038 | 0 |
| 1374 | 0 | 2907 | 0 | 4440 | 0 | 5973 | 0 | 7506 | 0 | 9039 | 0 |
| 1375 | 0 | 2908 | 0 | 4441 | 1 | 5974 | 0 | 7507 | 0 | 9040 | 1 |
| 1376 | 0 | 2909 | 0 | 4442 | 0 | 5975 | 0 | 7508 | 1 | 9041 | 0 |
| 1377 | 0 | 2910 | 0 | 4443 | 0 | 5976 | 0 | 7509 | 0 | 9042 | 1 |
| 1378 | 1 | 2911 | 1 | 4444 | 0 | 5977 | 0 | 7510 | 1 | 9043 | 0 |
| 1379 | 1 | 2912 | 0 | 4445 | 1 | 5978 | 0 | 7511 | 1 | 9044 | 0 |
| 1380 | 1 | 2913 | 1 | 4446 | 0 | 5979 | 1 | 7512 | 1 | 9045 | 0 |
| 1381 | 1 | 2914 | 0 | 4447 | 0 | 5980 | 1 | 7513 | 0 | 9046 | 1 |
| 1382 | 1 | 2915 | 1 | 4448 | 0 | 5981 | 1 | 7514 | 0 | 9047 | 1 |
| 1383 | 0 | 2916 | 1 | 4449 | 1 | 5982 | 1 | 7515 | 0 | 9048 | 1 |
| 1384 | 0 | 2917 | 1 | 4450 | 1 | 5983 | 1 | 7516 | 1 | 9049 | 0 |
| 1385 | 1 | 2918 | 0 | 4451 | 0 | 5984 | 1 | 7517 | 1 | 9050 | 1 |
| 1386 | 1 | 2919 | 0 | 4452 | 1 | 5985 | 0 | 7518 | 0 | 9051 | 1 |
| 1387 | 1 | 2920 | 1 | 4453 | 1 | 5986 | 0 | 7519 | 1 | 9052 | 1 |
| 1388 | 0 | 2921 | 0 | 4454 | 0 | 5987 | 1 | 7520 | 1 | 9053 | 0 |
| 1389 | 0 | 2922 | 1 | 4455 | 1 | 5988 | 0 | 7521 | 1 | 9054 | 1 |
| 1390 | 0 | 2923 | 0 | 4456 | 0 | 5989 | 1 | 7522 | 1 | 9055 | 1 |
| 1391 | 0 | 2924 | 1 | 4457 | 0 | 5990 | 0 | 7523 | 0 | 9056 | 0 |
| 1392 | 0 | 2925 | 1 | 4458 | 1 | 5991 | 0 | 7524 | 0 | 9057 | 1 |
| 1393 | 0 | 2926 | 0 | 4459 | 0 | 5992 | 0 | 7525 | 0 | 9058 | 1 |
| 1394 | 1 | 2927 | 1 | 4460 | 0 | 5993 | 0 | 7526 | 0 | 9059 | 1 |
| 1395 | 1 | 2928 | 0 | 4461 | 1 | 5994 | 0 | 7527 | 0 | 9060 | 1 |
| 1396 | 0 | 2929 | 0 | 4462 | 1 | 5995 | 0 | 7528 | 0 | 9061 | 1 |
| 1397 | 1 | 2930 | 0 | 4463 | 1 | 5996 | 0 | 7529 | 0 | 9062 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1398 | 0 | 2931 | 1 | 4464 | 0 | 5997 | 0 | 7530 | 0 | 9063 | 1 |
| 1399 | 1 | 2932 | 1 | 4465 | 0 | 5998 | 0 | 7531 | 1 | 9064 | 1 |
| 1400 | 1 | 2933 | 0 | 4466 | 1 | 5999 | 0 | 7532 | 0 | 9065 | 0 |
| 1401 | 0 | 2934 | 1 | 4467 | 0 | 6000 | 1 | 7533 | 1 | 9066 | 0 |
| 1402 | 0 | 2935 | 0 | 4468 | 0 | 6001 | 0 | 7534 | 0 | 9067 | 0 |
| 1403 | 1 | 2936 | 1 | 4469 | 1 | 6002 | 1 | 7535 | 0 | 9068 | 0 |
| 1404 | 0 | 2937 | 0 | 4470 | 1 | 6003 | 1 | 7536 | 1 | 9069 | 0 |
| 1405 | 0 | 2938 | 0 | 4471 | 0 | 6004 | 1 | 7537 | 1 | 9070 | 0 |
| 1406 | 1 | 2939 | 1 | 4472 | 1 | 6005 | 0 | 7538 | 0 | 9071 | 1 |
| 1407 | 1 | 2940 | 0 | 4473 | 0 | 6006 | 1 | 7539 | 1 | 9072 | 1 |
| 1408 | 0 | 2941 | 0 | 4474 | 1 | 6007 | 1 | 7540 | 0 | 9073 | 1 |
| 1409 | 0 | 2942 | 0 | 4475 | 0 | 6008 | 0 | 7541 | 0 | 9074 | 1 |
| 1410 | 1 | 2943 | 0 | 4476 | 1 | 6009 | 0 | 7542 | 0 | 9075 | 1 |
| 1411 | 0 | 2944 | 0 | 4477 | 0 | 6010 | 1 | 7543 | 0 | 9076 | 0 |
| 1412 | 0 | 2945 | 1 | 4478 | 0 | 6011 | 1 | 7544 | 1 | 9077 | 1 |
| 1413 | 1 | 2946 | 0 | 4479 | 1 | 6012 | 1 | 7545 | 1 | 9078 | 0 |
| 1414 | 1 | 2947 | 0 | 4480 | 0 | 6013 | 1 | 7546 | 1 | 9079 | 0 |
| 1415 | 0 | 2948 | 0 | 4481 | 0 | 6014 | 0 | 7547 | 0 | 9080 | 1 |
| 1416 | 0 | 2949 | 0 | 4482 | 1 | 6015 | 0 | 7548 | 0 | 9081 | 1 |
| 1417 | 0 | 2950 | 1 | 4483 | 1 | 6016 | 1 | 7549 | 1 | 9082 | 0 |
| 1418 | 0 | 2951 | 0 | 4484 | 1 | 6017 | 0 | 7550 | 0 | 9083 | 0 |
| 1419 | 0 | 2952 | 1 | 4485 | 0 | 6018 | 1 | 7551 | 1 | 9084 | 0 |
| 1420 | 1 | 2953 | 1 | 4486 | 0 | 6019 | 1 | 7552 | 0 | 9085 | 0 |
| 1421 | 1 | 2954 | 1 | 4487 | 0 | 6020 | 1 | 7553 | 0 | 9086 | 1 |
| 1422 | 0 | 2955 | 0 | 4488 | 1 | 6021 | 0 | 7554 | 0 | 9087 | 0 |
| 1423 | 1 | 2956 | 1 | 4489 | 0 | 6022 | 1 | 7555 | 0 | 9088 | 0 |
| 1424 | 0 | 2957 | 1 | 4490 | 1 | 6023 | 0 | 7556 | 0 | 9089 | 1 |
| 1425 | 0 | 2958 | 1 | 4491 | 0 | 6024 | 0 | 7557 | 1 | 9090 | 1 |
| 1426 | 0 | 2959 | 1 | 4492 | 0 | 6025 | 0 | 7558 | 1 | 9091 | 1 |
| 1427 | 0 | 2960 | 0 | 4493 | 1 | 6026 | 1 | 7559 | 0 | 9092 | 1 |
| 1428 | 1 | 2961 | 0 | 4494 | 1 | 6027 | 1 | 7560 | 0 | 9093 | 0 |
| 1429 | 0 | 2962 | 1 | 4495 | 0 | 6028 | 0 | 7561 | 1 | 9094 | 1 |
| 1430 | 0 | 2963 | 1 | 4496 | 0 | 6029 | 1 | 7562 | 0 | 9095 | 1 |
| 1431 | 1 | 2964 | 0 | 4497 | 0 | 6030 | 0 | 7563 | 1 | 9096 | 0 |
| 1432 | 0 | 2965 | 1 | 4498 | 0 | 6031 | 1 | 7564 | 1 | 9097 | 1 |
| 1433 | 1 | 2966 | 1 | 4499 | 0 | 6032 | 1 | 7565 | 0 | 9098 | 0 |
| 1434 | 0 | 2967 | 1 | 4500 | 1 | 6033 | 0 | 7566 | 0 | 9099 | 0 |
| 1435 | 0 | 2968 | 1 | 4501 | 0 | 6034 | 0 | 7567 | 0 | 9100 | 0 |
| 1436 | 0 | 2969 | 1 | 4502 | 1 | 6035 | 1 | 7568 | 0 | 9101 | 0 |
| 1437 | 1 | 2970 | 1 | 4503 | 0 | 6036 | 1 | 7569 | 1 | 9102 | 1 |
| 1438 | 1 | 2971 | 1 | 4504 | 1 | 6037 | 0 | 7570 | 1 | 9103 | 1 |
| 1439 | 0 | 2972 | 1 | 4505 | 0 | 6038 | 0 | 7571 | 1 | 9104 | 1 |
| 1440 | 0 | 2973 | 0 | 4506 | 1 | 6039 | 0 | 7572 | 1 | 9105 | 0 |
| 1441 | 1 | 2974 | 1 | 4507 | 1 | 6040 | 0 | 7573 | 0 | 9106 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1442 | 0 | 2975 | 0 | 4508 | 0 | 6041 | 1 | 7574 | 1 | 9107 | 0 |
| 1443 | 0 | 2976 | 0 | 4509 | 1 | 6042 | 0 | 7575 | 0 | 9108 | 1 |
| 1444 | 0 | 2977 | 1 | 4510 | 0 | 6043 | 0 | 7576 | 1 | 9109 | 0 |
| 1445 | 0 | 2978 | 1 | 4511 | 1 | 6044 | 0 | 7577 | 1 | 9110 | 0 |
| 1446 | 0 | 2979 | 1 | 4512 | 1 | 6045 | 0 | 7578 | 0 | 9111 | 1 |
| 1447 | 1 | 2980 | 0 | 4513 | 0 | 6046 | 1 | 7579 | 0 | 9112 | 1 |
| 1448 | 0 | 2981 | 0 | 4514 | 1 | 6047 | 1 | 7580 | 1 | 9113 | 0 |
| 1449 | 1 | 2982 | 0 | 4515 | 0 | 6048 | 1 | 7581 | 0 | 9114 | 1 |
| 1450 | 0 | 2983 | 0 | 4516 | 1 | 6049 | 1 | 7582 | 1 | 9115 | 0 |
| 1451 | 0 | 2984 | 0 | 4517 | 1 | 6050 | 0 | 7583 | 1 | 9116 | 0 |
| 1452 | 0 | 2985 | 1 | 4518 | 1 | 6051 | 0 | 7584 | 1 | 9117 | 0 |
| 1453 | 1 | 2986 | 1 | 4519 | 1 | 6052 | 0 | 7585 | 0 | 9118 | 1 |
| 1454 | 1 | 2987 | 0 | 4520 | 1 | 6053 | 0 | 7586 | 1 | 9119 | 0 |
| 1455 | 1 | 2988 | 0 | 4521 | 1 | 6054 | 0 | 7587 | 1 | 9120 | 0 |
| 1456 | 1 | 2989 | 0 | 4522 | 1 | 6055 | 0 | 7588 | 0 | 9121 | 1 |
| 1457 | 1 | 2990 | 1 | 4523 | 1 | 6056 | 0 | 7589 | 0 | 9122 | 1 |
| 1458 | 0 | 2991 | 0 | 4524 | 1 | 6057 | 1 | 7590 | 1 | 9123 | 1 |
| 1459 | 0 | 2992 | 0 | 4525 | 1 | 6058 | 1 | 7591 | 1 | 9124 | 1 |
| 1460 | 0 | 2993 | 0 | 4526 | 1 | 6059 | 1 | 7592 | 1 | 9125 | 0 |
| 1461 | 1 | 2994 | 1 | 4527 | 1 | 6060 | 1 | 7593 | 0 | 9126 | 1 |
| 1462 | 1 | 2995 | 1 | 4528 | 1 | 6061 | 1 | 7594 | 1 | 9127 | 1 |
| 1463 | 1 | 2996 | 1 | 4529 | 1 | 6062 | 1 | 7595 | 0 | 9128 | 0 |
| 1464 | 0 | 2997 | 1 | 4530 | 1 | 6063 | 1 | 7596 | 0 | 9129 | 1 |
| 1465 | 1 | 2998 | 1 | 4531 | 1 | 6064 | 0 | 7597 | 0 | 9130 | 1 |
| 1466 | 1 | 2999 | 1 | 4532 | 0 | 6065 | 0 | 7598 | 0 | 9131 | 0 |
| 1467 | 0 | 3000 | 1 | 4533 | 0 | 6066 | 0 | 7599 | 1 | 9132 | 1 |
| 1468 | 0 | 3001 | 0 | 4534 | 1 | 6067 | 1 | 7600 | 1 | 9133 | 1 |
| 1469 | 1 | 3002 | 1 | 4535 | 1 | 6068 | 0 | 7601 | 1 | 9134 | 1 |
| 1470 | 1 | 3003 | 0 | 4536 | 1 | 6069 | 0 | 7602 | 0 | 9135 | 0 |
| 1471 | 1 | 3004 | 1 | 4537 | 1 | 6070 | 1 | 7603 | 0 | 9136 | 1 |
| 1472 | 1 | 3005 | 1 | 4538 | 0 | 6071 | 1 | 7604 | 1 | 9137 | 1 |
| 1473 | 1 | 3006 | 1 | 4539 | 0 | 6072 | 0 | 7605 | 1 | 9138 | 0 |
| 1474 | 0 | 3007 | 0 | 4540 | 1 | 6073 | 1 | 7606 | 0 | 9139 | 0 |
| 1475 | 0 | 3008 | 0 | 4541 | 1 | 6074 | 0 | 7607 | 0 | 9140 | 1 |
| 1476 | 1 | 3009 | 1 | 4542 | 1 | 6075 | 1 | 7608 | 1 | 9141 | 1 |
| 1477 | 0 | 3010 | 1 | 4543 | 1 | 6076 | 0 | 7609 | 0 | 9142 | 1 |
| 1478 | 0 | 3011 | 1 | 4544 | 1 | 6077 | 0 | 7610 | 0 | 9143 | 0 |
| 1479 | 0 | 3012 | 0 | 4545 | 1 | 6078 | 0 | 7611 | 0 | 9144 | 0 |
| 1480 | 0 | 3013 | 0 | 4546 | 0 | 6079 | 0 | 7612 | 1 | 9145 | 0 |
| 1481 | 1 | 3014 | 0 | 4547 | 0 | 6080 | 0 | 7613 | 1 | 9146 | 1 |
| 1482 | 0 | 3015 | 0 | 4548 | 0 | 6081 | 1 | 7614 | 1 | 9147 | 1 |
| 1483 | 0 | 3016 | 0 | 4549 | 1 | 6082 | 1 | 7615 | 1 | 9148 | 0 |
| 1484 | 1 | 3017 | 1 | 4550 | 0 | 6083 | 1 | 7616 | 0 | 9149 | 0 |
| 1485 | 0 | 3018 | 0 | 4551 | 0 | 6084 | 0 | 7617 | 0 | 9150 | 0 |

|      |   |      |   |      |   |      |   |      |   |      |   |
|------|---|------|---|------|---|------|---|------|---|------|---|
| 1486 | 1 | 3019 | 0 | 4552 | 1 | 6085 | 0 | 7618 | 0 | 9151 | 1 |
| 1487 | 0 | 3020 | 0 | 4553 | 1 | 6086 | 1 | 7619 | 0 | 9152 | 0 |
| 1488 | 0 | 3021 | 1 | 4554 | 0 | 6087 | 0 | 7620 | 0 | 9153 | 1 |
| 1489 | 0 | 3022 | 1 | 4555 | 0 | 6088 | 0 | 7621 | 0 | 9154 | 1 |
| 1490 | 0 | 3023 | 1 | 4556 | 1 | 6089 | 1 | 7622 | 1 | 9155 | 0 |
| 1491 | 1 | 3024 | 1 | 4557 | 1 | 6090 | 0 | 7623 | 1 | 9156 | 0 |
| 1492 | 1 | 3025 | 1 | 4558 | 0 | 6091 | 0 | 7624 | 1 | 9157 | 0 |
| 1493 | 1 | 3026 | 1 | 4559 | 1 | 6092 | 1 | 7625 | 0 | 9158 | 1 |
| 1494 | 0 | 3027 | 1 | 4560 | 0 | 6093 | 0 | 7626 | 0 | 9159 | 0 |
| 1495 | 1 | 3028 | 0 | 4561 | 1 | 6094 | 0 | 7627 | 0 | 9160 | 1 |
| 1496 | 1 | 3029 | 1 | 4562 | 0 | 6095 | 0 | 7628 | 0 | 9161 | 0 |
| 1497 | 1 | 3030 | 1 | 4563 | 1 | 6096 | 0 | 7629 | 1 | 9162 | 1 |
| 1498 | 0 | 3031 | 1 | 4564 | 1 | 6097 | 0 | 7630 | 0 | 9163 | 0 |
| 1499 | 0 | 3032 | 0 | 4565 | 0 | 6098 | 0 | 7631 | 1 | 9164 | 0 |
| 1500 | 1 | 3033 | 1 | 4566 | 1 | 6099 | 1 | 7632 | 1 | 9165 | 0 |
| 1501 | 0 | 3034 | 0 | 4567 | 1 | 6100 | 0 | 7633 | 0 | 9166 | 1 |
| 1502 | 0 | 3035 | 0 | 4568 | 0 | 6101 | 1 | 7634 | 0 | 9167 | 1 |
| 1503 | 1 | 3036 | 0 | 4569 | 0 | 6102 | 1 | 7635 | 0 | 9168 | 0 |
| 1504 | 0 | 3037 | 0 | 4570 | 1 | 6103 | 0 | 7636 | 0 | 9169 | 0 |
| 1505 | 1 | 3038 | 1 | 4571 | 1 | 6104 | 1 | 7637 | 1 | 9170 | 0 |
| 1506 | 1 | 3039 | 0 | 4572 | 0 | 6105 | 1 | 7638 | 0 | 9171 | 1 |
| 1507 | 1 | 3040 | 0 | 4573 | 0 | 6106 | 0 | 7639 | 1 | 9172 | 0 |
| 1508 | 0 | 3041 | 0 | 4574 | 0 | 6107 | 1 | 7640 | 1 | 9173 | 0 |
| 1509 | 1 | 3042 | 0 | 4575 | 0 | 6108 | 0 | 7641 | 0 | 9174 | 0 |
| 1510 | 1 | 3043 | 1 | 4576 | 0 | 6109 | 1 | 7642 | 1 | 9175 | 1 |
| 1511 | 1 | 3044 | 1 | 4577 | 1 | 6110 | 1 | 7643 | 1 | 9176 | 1 |
| 1512 | 1 | 3045 | 1 | 4578 | 1 | 6111 | 1 | 7644 | 0 | 9177 | 0 |
| 1513 | 1 | 3046 | 1 | 4579 | 1 | 6112 | 1 | 7645 | 1 | 9178 | 1 |
| 1514 | 1 | 3047 | 0 | 4580 | 1 | 6113 | 1 | 7646 | 0 | 9179 | 0 |
| 1515 | 0 | 3048 | 1 | 4581 | 1 | 6114 | 0 | 7647 | 0 | 9180 | 0 |
| 1516 | 1 | 3049 | 0 | 4582 | 0 | 6115 | 1 | 7648 | 0 | 9181 | 0 |
| 1517 | 0 | 3050 | 1 | 4583 | 1 | 6116 | 1 | 7649 | 0 | 9182 | 1 |
| 1518 | 0 | 3051 | 1 | 4584 | 0 | 6117 | 0 | 7650 | 0 | 9183 | 0 |
| 1519 | 0 | 3052 | 0 | 4585 | 1 | 6118 | 0 | 7651 | 1 | 9184 | 1 |
| 1520 | 1 | 3053 | 1 | 4586 | 0 | 6119 | 1 | 7652 | 0 | 9185 | 1 |
| 1521 | 0 | 3054 | 0 | 4587 | 0 | 6120 | 1 | 7653 | 0 | 9186 | 0 |
| 1522 | 0 | 3055 | 0 | 4588 | 1 | 6121 | 1 | 7654 | 0 | 9187 | 0 |
| 1523 | 0 | 3056 | 0 | 4589 | 1 | 6122 | 0 | 7655 | 0 | 9188 | 0 |
| 1524 | 1 | 3057 | 0 | 4590 | 0 | 6123 | 1 | 7656 | 0 | 9189 | 1 |
| 1525 | 0 | 3058 | 0 | 4591 | 1 | 6124 | 1 | 7657 | 1 | 9190 | 1 |
| 1526 | 0 | 3059 | 0 | 4592 | 0 | 6125 | 1 | 7658 | 0 | 9191 | 1 |
| 1527 | 1 | 3060 | 1 | 4593 | 0 | 6126 | 1 | 7659 | 1 |      |   |
| 1528 | 1 | 3061 | 0 | 4594 | 0 | 6127 | 0 | 7660 | 1 |      |   |
| 1529 | 1 | 3062 | 1 | 4595 | 1 | 6128 | 1 | 7661 | 1 |      |   |

|      |   |      |   |      |   |      |   |      |   |  |
|------|---|------|---|------|---|------|---|------|---|--|
| 1530 | 0 | 3063 | 0 | 4596 | 1 | 6129 | 1 | 7662 | 1 |  |
| 1531 | 0 | 3064 | 0 | 4597 | 1 | 6130 | 0 | 7663 | 1 |  |
| 1532 | 1 | 3065 | 1 | 4598 | 1 | 6131 | 1 | 7664 | 1 |  |

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